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REPORT

ON

ADULTERATION OF FOOD

BEING

SUPPLEMENT No. III

TO THE REPORT

OF THE

DEPARTMENT OF INLAND RENENUE.

1883.

Printed by Order of Parliament.

OTTAWA:
PRINTED BY MACLEAN, ROGER & Co., WELLINGTON STREET.
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ADULTERATION OF FOOD.

COMMISSIONER'S REPORT.

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INSPECTION OF FOOD.

To the Honourable

The Minister of Inland Revenue.

SIR,—I have the honour to submit my Report respecting the analysis of Food; also, the reports of the Analysts appointed under the Act, together with tabulated statements prepared in this Department of the results of the analysis of the various samples submitted to them.

1. The following statement is a summary of the whole number of samples analysed by the Dominion Analysts, showing the Number found to be Genuine, Adulterated, and Doubtful, respectively:— Summary of results of Analysis.

Name of Sample.	Genuine.	Adulterated.	Doubtful.	Total.
Bread and breadstuffs	77	2	.....	79
Butter	113	49	1	163
Bitters and light wine	54	.....	.....	54
Canned fruit and vegetables	82	7	.....	89
Cocoa and chocolate	30	.....	2	32
Cocoanut, desiccated	11	1	.....	12
Coffee	50	42	3	95
Condiments, spices	48	86	.....	134
Drugs	83	12	3	98
Lard	6	.....	.....	6
Milk	114	29	14	157
Milk food	4	.....	.....	4
Potash	3	.....	.....	3
Potted meats and fish	46	8	.....	54
Sausage and pork	10	.....	.....	10
Soda water, from fountains	4	20	.....	24
Sugar	40	.....	.....	40
Sweets	8	2	.....	10
Syrup	33	3	3	39
Tea	45	26	3	74
Vinegar	30	6	1	37
Whiskey	18	8	.....	26
Wine	2	1	.....	3
Total	911	302	30	1,243

2. From the above table it will be seen that out of twelve hundred and forty-three samples analysed, three hundred and two, or about twenty-four per cent., were adulterated, and thirty returned as doubtful. Proportion of samples adulterated.

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Percentage of adulteration.

3. The following table shows the Percentage of Adulteration for the past Eight Years:—

Year.	Genuine.	Adulterated.	Doubtful.	Total Analysed.	Percentage of Adulteration.
1876.....	87	93	.....	180	51·66
1877.....	241	247	.....	488	50·61
1878.	523	271	19	813	33·33
1879.	619	235	42	896	26·22
1880.....	728	295	20	1,043	28·28
1881.....	743	260	38	1,041	25·97
1882.....	809	288	25	1,122	25·66
1883.....	911	302	30	1,243	24·21

Breadstuffs.

4. Seventy-nine samples of breadstuffs were analysed, including bread, biscuit, flour, meal and baking powder. They were all pure, with the exception of two samples of baking powder, which contained 30 per cent. of flour.

Butter.

5. One hundred and sixty-three samples of butter were analysed of which forty-nine were reported as adulterated, being an increase of 10 per cent. of adulteration over last year's operations. The largest percentage of adulterations are reported from Montreal and Quebec, the latter reaching as high as 80 per cent.

Bitters, &c.

6. Fifty-four samples of bitters and light wines were submitted for analysis. Although reported as containing nothing injurious to health, the percentage of alcohol in a few samples reaches 60 per cent.

Canned fruit, &c.

7. Of eighty-nine samples of canned fruit and vegetables, only seven were classed as adulterated. As in previous years, traces of tin and iron were present in a number of samples.

Cocoa.

8. Of thirty-two samples of cocoa and chocolate analysed, but two were returned as adulterated.

Cocoanut desiccated.

9. Twelve samples of desiccated cocoanut were analysed. One was adulterated with 15 per cent. of gypsum.

Coffee.

10. Of ninety-five samples of coffee analysed, forty-two were adulterated, and three classed as doubtful. This is the highest percentage of purity reached since the Act has been in force.

Condiments.

11. One hundred and thirty-four samples of condiments were analysed; eighty-six were returned as adulterated.

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12. The following table shows the Percentage of Adulteration of this class of food for the past Eight Years:— Percentage of adulteration.

Year.	Genuine.	Adulterated	Doubtful.	Total Analysed.	Percentage of Adulteration.
1876	5	39	.....	44	88·63
1877	24	83	.....	107	77·57
1878	26	108	.....	134	80·59
1879	51	64	2	117	54·70
1880	66	74	.....	140	52·85
1881	53	73	.....	126	50·79
1882	55	76	1	132	57·57
1883	48	86	.....	134	64·17

13. When it is borne in mind that over 900 tons of spice and condiments are annually entered for consumption in Canada, of which two-thirds are imported unground, to be manipulated at Canadian spice mills, the fact that the consumer is seriously defrauded is clearly manifest. Of the samples submitted for analysis, 64 per cent. were adulterated. These contained foreign farinaceous substances to an extent varying from 20 to 50 per cent. It would appear, therefore, that a very considerable proportion of what is purchased by the consumer for pepper, ginger, mustard and other like condiments is, in reality, ground peas or flour, and that this fraud upon the consumer is perpetrated through the agency of Canadian spice mills. The degree of adulteration in spice.

14. The question likely to arise in the public mind is, whether some kind of supervision is not desirable to set limits to the growing evil. It should be limited.

15. Ninety-eight samples of drugs were analysed; twelve samples were adulterated, and three returned as doubtful. Drugs.

16. Of one hundred and fifty-seven samples of milk analysed, twenty-nine were adulterated and fourteen classed as doubtful. Milk.

Watering is the principal mode of adulteration.

17. Four samples of infants' milk food were examined, and found to contain only wholesome ingredients. Infants' food.

18. Out of fifty-four samples of potted meats and fish analysed, eight are returned as adulterated. The adulteration occurred principally in respect of the fish; metallic impurities, through the action of the juices on the tin and lead, being the chief cause. Potted meats, &c.

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Pork, &c. 19. Ten samples of pork and sausage were microscopically examined by Dr. Edwards, but were found free from any trace of trichina.

Soda water. 20. Twenty-four samples of soda water were analysed; only four were found free from metallic impurities. Traces of lead were present in the remaining samples, rendering the majority of them unfit for use; and one was returned as "positively dangerous," from the presence of copper.

Sugar. 21. The sugars were all found pure.

Syrup. 22. Of thirty-nine samples of syrup examined, three were returned as adulterated and three doubtful.

Tea. 23. Seventy-four samples of tea were analysed; twenty-six were adulterated, and three returned as doubtful. The percentage of adulterations in respect of teas is on the increase.

Vinegar. 24. Of thirty-seven samples of vinegar analysed, six were found adulterated and one classed as doubtful.

The adulterations were principally water, and with one exception the percentage of sulphuric acid did not exceed the limit prescribed by the British Act.

Whisky. 25. Eight samples of whisky, out of twenty-six analysed, were found to be more or less diluted with water.

Port wine. 26. Two samples of port wine and one of sherry were analysed. The port wine was pure, while the sherry showed signs of manipulation, and was classed as doubtful.

Proposed amendment to the Act, &c. 27. Since the last Session of Parliament, I have given careful and somewhat critical attention to the subject of adulteration of food.

The report of British and United States Analysts have been closely scanned, and prosecutions under the Act have been carefully followed in order to form some reliable estimate of the extent to which adulteration is practised, as well as to determine its character.

The general conclusions arrived at have been, that although there is evidence of a considerable amount of fraudulent adulteration, namely, in low priced articles, there is much less than is generally believed of that class of adulteration, which can be considered to be seriously injurious to health. The most dangerous adulterations are perhaps those of drugs, milk and liquor.

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It is manifest, in respect of the first, that all the efforts and experience of the medical practitioner may be neutralized if his prescriptions are prepared from drugs materially differing from the generally accepted standard. It is of prime importance, also, that an article upon which infants rely so largely for nourishment, as milk, should contain those elements which are necessary to their health and development. To palm off inferior articles in the one case as in the other, is not only a fraud, it is a crime.

In preparing certain amendments to the existing Act, which I hope to be able in a few days to submit for your consideration, three specific aims have been kept in view :

1st. To distinguish between merely fraudulent and dangerous adulterations.

2nd. In defining adulteration, to lay down general principle of interpretation, equally applicable to all articles subject to the operation of the Act.

3rd. To invite local co-operation in the administration of the Act.

The best provisions of both the English and the New York State Statutes have been, to a very large extent, appropriated, while many of the sections of the existing Act (31 Vic., cap. 8) have been retained or only modified to such an extent as was necessary to meet the conditions hereinbefore cited.

I have the honour to be, Sir,
Your obedient servant,

E. MIALL,
Commissioner of Inland Revenue.

INLAND REVENUE DEPARTMENT,
OTTAWA, 20th December, 1883.

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APPENDIX A.

INSPECTION OF FOOD AND DRUGS.

REPORTS OF PUBLIC ANALYSTS.

1.—TORONTO DIVISION.

To the Commissioner of Inland Revenue,
Ottawa.

TORONTO, 25th September, 1883.

SIR—I have the honor to submit to you my Annual Report on Food Analyses for the year ending 1st July, 1883. I have received, since last Report, 260 samples for analysis. Of these I have returned

Number of samples analysed.

218 as genuine,
39 as adulterated,
3 as doubtful or inferior.

Total.....260

I append a tabular list:—

Description.	No.	Unadulterated.	Adulterated.	
Liquors	24	24	.....	
Soda water	12	3	9	
Syrups	6	6	.....	
Whiskey	4	4	.....	
Sugar	6	6	.....	
Drugs	35	35	.....	
Spices	23	6	17	
Teas	8	8	.....	
Vinegar	6	6	.....	
Canned fruits and vegetables	15	15	.....	
Canned meats and fish	10	10	.....	
Coffees	17	7	10	1 doubtful.
Milks	30	25	2	2 poor.
Butters	30	30	.....	
Breadstuffs	14	14	.....	
Cocoas	6	6	.....	
Cocoanuts desiccated	12	11	1	
Lards	6	6	.....	
Total	260	218	39	3

Syrups.

I have examined six samples of syrups and find them of good quality and unadulterated. Syrups.

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Coffee.

Coffee.] I have examined seventeen samples of coffee, seven of which were pure, four contained 50 per cent. of chicory, two contained 40 per cent., three contained 25 per cent., and one contained a a small quantity of chicory.

Cocoas.

Cocoas. I have examined six samples of cocoas, of these samples one consisted entirely of cocoa, from which a portion of the fat had been removed with the intention of making the article more palatable; two contained about 60 per cent. of cocoa, and the rest sugar and cornstarch, and three about 40 per cent. of cocoa and the rest sugar and cornstarch.

Breadstuffs.

Breadstuffs. All the breadstuffs were genuine and of good quality.

Butters.

Butter. The butters were unadulterated.

Milks.

Milks. There has been considerable improvement in the milk. Of thirty samples, twenty-five were unadulterated, two were watered, one was reported as doubtful, and two as of poor quality. The appointment by the city of a local milk inspector has no doubt largely contributed to this gratifying result.

Local Inspector.

Canned Goods.

Canned] goods. The canned meats were of good quality and free from metallic impurity; the canned fish contained a little tin, which was least in the salmon; the vegetables were fairly free from impurities, but the canned fruits were as usual contaminated with quite noticeable quantities of tin as well as iron. The use of glass vessels for fruits is much to be recommended.

Vinegars.

Vinegar. The quantity of acetic acid contained in the vinegars that I have examined varied between 3·5 and 6 per cent., according to the grade. The vinegars were free from mineral acids and other impurities.

Teas

Teas. Were all unadulterated with foreign leaves. The green teas were faced with Prussian blue and gypsum or China clay.

Spices.

Spices. Of twenty-three samples, seventeen were adulterated. The adulterations were the usual ones, peas and flour.

Drugs.

Drugs. All the drugs were genuine, and most of them of excellent quality.

Whiskey.

Whiskey. The four samples of whiskey examined were free from fuseil oil and contained from 79 to 83 per cent. of proof spirit.

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Sugars.

The sugars were all unadulterated. Sugar.

Soda Waters.

I have examined twelve samples of the so called "soda-water" sold at the fountains of confectioners, druggists and others. This beverage, as is well known, consists simply of water impregnated under pressure with carbonic acid gas. The desired flavoring is usually added in the form of a syrup to suit the taste of customers. In one sample only did the water contain any flavoring ingredient. Soda water

The examination of these twelve samples for metallic impurities shewed that in nine cases, or three-fourths of the whole, lead was present in quantities varying from $\frac{1}{10}$ of a grain up to $1\frac{1}{2}$ grains per gallon. Presence of lead in dangerous proportions.

The average quantity of lead present in all twelve samples, including those which contained none, was about one-third of a grain in a gallon. The maximum quantity found was a grain and a half of lead in a gallon. Lead colic has been produced by the use of cider containing $4\frac{1}{2}$ grains of lead in eighteen bottles, a quantity quite comparable with the maximum amount found in the soda water.

In the celebrated Claremont case, several members of the late Royal Family of France were poisoned by the use of water containing one grain of lead per gallon, and Dr. Taylor observes ("On Poisons") that one-fourth of this quantity would in time be productive of serious injury to health.

A single glass of soda water contaminated to this extent would be harmless, but its continued use would be likely to lead to grave results.

Taking these facts into consideratien it is obvious that greater care ought to be exercised in the use and construction of soda water apparatus than is at present exercised. Greatest care required in the use of soda water apparatus.

Liqueurs.

Adulterated liqueurs are defined by the Inland Revenue Act to be those containing any of the articles enumerated under Schedule 2 (37 Vict., chap. 8). Liqueurs.

None of the deleterious ingredients were found in any of the twenty samples of liqueurs examined.

Desiccated Cocoanuts.

I have analyzed twelve samples of desiccated cocoanuts by different makers. I append my result in a tabular form:— Desiccated cocoanuts.

No.	Sample.	Moisture.	Ash.	Fat.	Extract.	Remarks.
1	Maltby	2·87	1·25	32·15	38·00	
2	do	2·12	3·15	29·10	40·05	
3	Schepps	3·05	1·22	30·50	30·00	
4	Jeffs	3·33	19·96	32·15	27·50	15 p.c. of gypsum.
5	Schepps	3·15	1·10	30·07	22·50	
6	do	3·06	1·30	28·65	29·00	
7	do	2·77	1·00	36·15	28·00	
8	Dunham	4·14	1·62	51·90	12·50	
9	do ...	3·87	1·22	54·75	9·50	
10	do	3·30	1·10	60·85	9·00	
11	*	2·80	8·05	50·00	12·00	
12	Cross & Co.	2·60	1·00	39·00	34·00	

* No name of manufacturer given.

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From analyses of cocoanuts dried in the laboratory, I gather that the dried meat of the cocoanut contains 30 or 40 per cent. of fat, 1·3 of ash and about 11 or 12 per cent. of matter soluble in cold water, chiefly sugar.

Applying these data to the analyses of the samples before us, we find that Nos. 1, 2, 3, 5, 6, 7 and 12 only differ from these figures in the proportion of extract, which is much higher owing to the addition of sugar to the dried cocoanut. Nos. 8, 9 and 10 have a nearly normal extract, but a high fat. Part of this fat was found to consist of paraffine, which is said to be added during the preparation to exclude the atmosphere. These samples also contain a little glycerine.

It does not seem that the addition of these matters is necessary. If present in large proportion they would, of course, constitute an adulteration. In the samples examined they were only present in small proportion. The matter demands further investigation.

No. 4 will be seen to yield nearly 20 per cent. of ash. The excess of ash was shewn by analysis to consist of sulphate of lime, and this sample had evidently been adulterated with gypsum or "Terra alba."

The proportion of ash in No. 11 is also suspiciously high.

Lards.

Lards.

Six samples of lard were submitted to me, five of which were imported from the United States. I was informed that these samples were believed by some persons familiar with the trade to be adulterated, and various substances were mentioned as the adulterants, among these powdered soapstone or tale.

They certainly contained no mineral substance such as this, and they were also free from any excess of water, the common adulterant of lard.

I was unable to find evidence of any other adulteration in any of them.

I have the honor to be, Sir,
Your obedient servant,

W. H. ELLIS,
Public Analyst.

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MONTREAL DIVISION.

OFFICE OF PUBLIC ANALYST,
MONTREAL, 15th Oct. 1883.

To the Commissioner of Inland Revenue,
Ottawa.

SIR,—I have the honor of submitting my report on the adulteration of food, for the year ending 1st July, 1883. During this period I have analysed 256 samples, of which 166 proved genuine, seventy-nine adulterated, and eleven were doubtful,—as shown in the table annexed:— Number of samples analysed.

Nature of Sample.	Genuine.	Adulterated.	Doubtful.	Total No.
Bread	4	.....	.....	4
Flour	4	.....	.....	4
Butter	16	13	1	30
Canned fruit and vegetables	15	.....	.....	15
Canned meats and fish	10	.....	.....	10
Cocoa	6	.....	.....	6
Coffee	4	12	1	17
Milk	20	7	3	30
Milk food	4	.....	.....	4
Sausages and pork	10	.....	.....	10
Sugar	6	.....	.....	6
Syrup	3	1	2	6
Tea	16	9	3	28
Spices	3	22	.....	25
Drugs	28	3	.....	31
Bitters	4	.....	.....	4
Vinegar	5	1	1	7
Whiskey	4	.....	.....	4
Potash and kainite	3	.....	.....	3
Fountain soda water	1	11	.....	12
Total	166	79	11	256

Milk, Butter and Spices.

Looking at these figures alone, it would be natural to conclude that no improvement in the quality of food sold has been effected by the operation of the act. And as regards the products of the spice mills, including spices, coffee and cream of tartar, I concur in this view; on the other hand, in the important articles of milk and butter, I see considerable improvement, and the milk dealers especially are much more cautious than formerly; the mere abstraction of cream being now a more common fraud than the addition of water to the milk. Milk, Butter and Spices.

Teas and coffees.

In the groceries, some improvement is also observable, and I have not met with the class of utterly valueless teas which were offered for sale a few years since. In the article of coffee a marked improvement is apparent, but, unfortunately, this is not general, the usual run of ground coffee being still highly adulterated, but the apparent improvement is due to the efforts of the Brazilian Government to introduce into Canada *pure Brazilian grown* Teas and Coffees.

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coffee guaranteed genuine by responsible agents. Through this source genuine coffee may be obtained of excellent quality, at prices competing with the adulterated article. In every case this coffee was found *genuine*, and these were the *only genuine ground coffee* offered for sale to the Inspector.

Pork and Sausage Meats.

Pork and sausage meats.

It is so far satisfactory to find that in the ten samples of pork and sausages examined no trichinæ were discovered after careful microscopic investigation; but when it is borne in mind that the infection of 1 or 2 per cent. of the hogs killed, would produce disastrous and wide spread disease, it becomes obvious that a much more extended investigation is necessary before we can claim immunity from this dangerous and fatal pest, which has lately been making such havoc in Germany.

Drugs.

Drugs.

The quality of drugs and pharmaceutical preparations has received a larger share of attention from the Department than heretofore—thirty-one drugs having been examined, out of which number three only proved inferior.

Both in the difficulty of analysis, and in the classification as to reasonable purity, this class of goods presents the greatest demand upon the skill and judgment of the analyst. While, on the one hand, the public should be protected against fraud and ignorance on the part of the vendor, the druggist is entitled to some consideration when he deals with the preparations he purchases from others in good faith, which he intelligently sells to the public at a fair market value. The public and the physician alike demand that they should receive in its integrity the medicine they may require, without adulteration or substitution.

Drugs classified.

Drugs may be classified into three classes:—

1. Natural products, such as seeds, fruits, leaves, barks, roots, and inspissated juices of plants.

2. Chemical compounds, as ores, salts, acids, alkalies, metals and metalloids, also organic salts and alkaloids.

3. Pharmaceutical preparations, such as spirits, tinctures, extracts, &c., &c., which should be prepared according to the instructions given in some well known and authorized codex, such as the *British Pharmacopeia* or the *United States Dispensatory*, or the *Paris Codex*, and all preparations bearing the names given in these standard authorities should answer to the tests for purity and strength defined therein. The practise which too often obtains of keeping two or more qualities of a drug, one for dispensing prescriptions, and the other lower qualities for retailing to the public, cannot be too highly condemned, as it opens the door to fraudulent substitution of inferior qualities when they can least readily be detected:—Thus, in one case here recorded, I was informed by the Inspector that when he demanded "*Citrate of Quinine and Iron*," the druggist's assistant supplied him with the "*stock article*," *but* on the *proprietor* learning it was "*for analysis*," he quickly changed it for "*Howards*," still charging the lower price of the "*commercial article*," and asserting that he never sold the *latter* except *wholesale* to "*country surgeons*." Four samples of this preparation were obtained, two of which yielded 8 per cent. of quinine, and the other two, 2 per cent only —a difference greatly prejudicial to the patient. This preparation is sold in the same state in which it is purchased from wholesale dealers, and is usually imported, and it may be had of almost any quality demanded.

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The important articles of quinine, and salts of morphia, were unadulterated.

Fountain Soda Water.

Soda water.

This refreshing and wholesome summer beverage was found very generally contaminated with metallic impurities of lead, copper and iron—due to imperfect protection of these metals in the working parts of the soda fountains. Out of twelve examined only one was pure; one flavored with iron only, therefore not unwholesome; ten so contaminated as to be unfit for use as a beverage, and *one positively dangerous.*

That this did not arise from the cylinders in which it is stored was established by the examination of several samples taken direct therefrom. No doubt the evil can be remedied by careful tinning of the abraided surface of iron and copper, and by the substitution of block tin for lead.

I also examined several samples of bottled soda water, which, in each case, I found free from these metallic impurities.

Vinegars.

Vinegars.

The six samples of vinegar obtained from retail grocers in thi city, were all found to be fortified with *sulphuric acid*, but within the limits prescribed by the British Act. Acetic acid was found to be under 5 per cent., except in one case and some as low as 3·2 was considered doubtful. These were all free from metallic impurities and were good wholesome vinegars.

A sample of vinegar was forwarded by the Department in December last from Carp, Ont., which had occasioned sudden and dangerous illness of one of the parties who partook of it and who suffered violent colic and pro-tration from its effects. The small quantity I examined contained 13 per cent of acetate of lead, which nearly proved fatal, and was traced to the action of the vinegar upon the glazed coating of the earthen jar in which the acid was kept. This might have led to a suspicion of criminal poisoning had not the facts been carefully and throughly investigated.

Kainit and Potashes.

Kainit and Potashes.

The exporters of Canadian potashes having viewed with some alarm the placing of German potash salts upon the Customs free list, applied to the Department through Messrs. Dyde & Major, Potash Inspectors to cause certain brand of potashes passed as N° 1 to be analysed so as to ascertain whether these German Salts called "Kainit" had been used as an adulterant, Messrs. Dyde & Major furnished me with two samples of No. 1 potashes and after some difficulty in tracing the imports I obtained from Mr. A. Smith, a sample of Kainit, from the only lot yet imported into this port and entirely for agricultural purposes. The alkaline value of these samples showed that they had been properly classified as No. 1 potashes and the small amount of chlorides (4 per cent to 4 1 per cent.) showed that there could have been no adulteration by Kainit which consists chiefly of chloride of potassium and sulphates and would have materially reduced the alkaline strength of these potashes, if added thereto.

I have the honor to be, Sir,
Your obedient servant,
J. BAKER EDWARD, Ph.D., D.C.L.
Public Analyst.

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QUEBEC DIVISION.

QUEBEC, 12th July, 1883.

To the Commissioner of Inland Revenue,
Ottawa.

Number of samples analysed.

SIR,—I have the honor to forward my Report of the analyses of food made during the year ended the 30th June, 1883.

I examined 135 samples and found seventy-nine pure, fifty adulterated and six doubtful, as you will see by the following table:

Description of Substance.	Number.	Results.			Totals.
		Pure.	Adulterated.	Doubtful.	
Bread, biscuit, &c.	8	8			8
Cocoa	4	2		2	4
Coffee	14	5	7	2	14
Canned fruit	11	11			11
Butter	20	4	16		20
Milk	20	14	4	2	20
Sugar	4	4			4
Tea	4		4		4
Spices	18	5	13		18
Vinegar	6	4	2		6
Syrup	4	4			4
Liquors	14	10	4		14
Potted meats	8	8			8
Totals	135	79	50	6	135

GENERAL REMARK.

High percentage of adulteration.

The number of the adulterated samples is pretty high, and does not show any tendency to decrease. The reason is very likely due to the fact that those who practice adulterations are not prosecuted and are at liberty to continue their operations without fear. Adulterated food is to be found at nearly all, not to say all, the grocers; but several among these articles are adulterated by the manufacturer himself, a fact which the retailer is generally unaware of,

Bread and Biscuit.

Bread, &c.

The ten samples I examined were pure.

Cocoa.

Cocoa.

The same remark always applies: under the name of cocoa preparations are sold which contain starch, sugar and cocoa. It is an excellent preparation.

Coffee.

Coffee.

I examined fourteen samples of which five only were pure. The adulterations mainly consists in the admixture of starch and chicory. There exist in the trade, under the name of coffee, substances which hardly contain 25 per cent, of genuine coffee.

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Canned Fruit.

All pure and in general well prepared. Canned fruit.

Milk.

I examined twenty samples, out of which fourteen gave a good result, two were doubtful, and the four others were adulterated either by the admixture of water or by the removal of the cream. As a rule, the milk which I analyzed was not so good as last year. Milk.

Butter.

I made the analysis of twenty samples of butter with the following results:— Butter.

No. of the Analyst's Report.	Butter Fat.	Caseine.	Salt.	Water.	Remarks.
5581	88·40	0·40	2 40	8·80	Unadulterated.
5582	82·80	1·80	2·00	13·40	Too much water.
5597	70·00	5·40	10·20	14·40	Too much salt, water and caseine.
5598	76·46	3·14	6·40	14·00	Excess of salt and water.
6312	86·40	4·00	4·00	6·60	Excess of caseine.
6313	87·60	1·70	2·60	8·10	Unadulterated.
6325	82·90	1·00	6·00	10·10	Slight excess of water and salt.
6326	79·84	2·60	4·40	13·16	Too much water.
6345	70·70	6·60	7·80	14·90	Excess of water, caseine and salt.
6346	71·60	4·50	7·60	16·30	do and salt; bad butter.
6347	68·00	9·20	10·40	12·40	do caseine and salt.
6348	85·60	1·80	3·60	9·00	Good.
6362	77·90	5·60	8·40	8·10	Slight excess of caseine and too much salt.
6363	80·20	4·40	5·60	9·80	Inferior.
6369	74·10	6·00	5·80	14·10	Too much water, caseine and salt; bad and rancid butter.
6370	81·20	2·90	2·20	13·70	Too much water; very common butter.
6378	78·20	6·80	4·60	10·40	Too much water and caseine; bad quality.
6382	75·50	2·60	4·40	13·50	Too much water; rancid butter.
6388	77·20	7·60	4·60	10·60	do caseine.
6389	79·20	4·80	4·60	11·40	do water; bad butter.

I made this year a more particular examination of samples of low price butter, and I came to the conclusion, after having examined them and taken outside information, that the manufacturers thereof do not intend to defraud the public, but that their butter becomes rancid because it is badly made, owing to the want of knowledge of how to manufacture good butter. Poor grade of butter.

The new dairy establishments started in the Province of Quebec will, I have no doubt, contribute to a large extent to bring about the manufacture of first class butter. Our country manufacturers are in want of butter presses for the extraction of the butter milk which contains so much caseine; every one knows that the butter becomes rancid when it contains too much of it.

There are three kinds of butter in our district: spring, summer and fall butter. The winter and spring butters which are salted are more apt to become rancid than the summer or fall butters.

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As a rule, butter which does not contain 80 per cent. of butter fat is either bad or of an inferior quality, and I ascertained the fact from the observations made by my Toronto colleague, Dr. Ellis.

Sugars.

Sugars. All pure. I had four samples for analysis. Since then, some parties complained, and rightly too, I believe, that certain sugars were of a bad quality, but I had no opportunity of examining any.

Tea.

Tea. I had only four samples to examine and they were all adulterated, and even contained deleterious substances. I cannot say as to the average adulteration of this article, for I have had but four samples in the term before last and none at all during the last. There are to be found on the market certain teas which by agreement are called "ground teas." I believe that these teas as a rule, do not contain even 20 per cent. of the tea leaf, and I think that they are ground for the special purpose of preventing the fraud to be discovered through the presence of the foreign leaves which are mixed with the tea. These are the teas which are mostly purchased by consumers, and they are probably those which contain the greatest quantity of noxious substances.

Condiments.

Condiments. Out of eighteen samples fourteen were adulterated. It is certainly upon that class of goods that sophistication is practised on a larger scale, and the articles which are the most openly adulterated are the spices, ginger, &c., which are put up in packages in advance.

Vinegar.

Vinegar. Two samples contained sulphuric acid in a notable proportion; the other four were pure. I think it my duty to mention a sample which was of a remarkably pure quality. It came from the factory of E. & A. Robitaille, of Quebec, and contained 8.28 of acetic acid. It is undoubtedly the best, purest and most commendable vinegar I ever came across.

Syrup.

Syrups. Samples all pure, though slightly flavored.

Liquors.

Liquors. The four samples which I examined were adulterated.

Potted meats.

Potted meats. All pure.

I have the honor to be, Sir,
Your obedient servant,
DR. M. FISET, M.D.L.,
Public Analyst, Quebec.

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HALIFAX DIVISION.

HALIFAX, N.S., 13th October, 1883.

To the Commissioner of Inland Revenue,
Ottawa.

SIR,—I have the honor to submit my Report of analysis of food, drugs, &c., for the year ending 30th June, 1883. Number of samples analysed.

The number of articles submitted to me for analysis has been 270, of which I have returned 208 as genuine, six doubtful, and fifty six adulterated. as is shown in the following table:—

Articles.	Genuine.	Doubtful.	Adulterated.	Total.
Breadstuffs	20	.....	2	22
Butter	32	.....	4	36
Canned fruits	15	.....	1	16
Cocoa	6	.....	.....	6
Coffee	3	.....	12	15
Condiments	21	.....	13	34
Drugs	22	3	6	31
Milk	23	2	6	31
Potted meats and fish	11	.....	2	13
Sugar	12	.....	.....	12
Sweets	5	.....	1	6
Syrups	13	.....	.....	13
Tea	6	.....	2	8
Vinegar	3	.....	3	6
Wines, Spirits and Bitters	16	1	4	21
Total	208	6	56	270

Breadstuffs.

All samples of bread were of good quality, some excellent; as also were the baking powders, with two exceptions. Breadstuffs.

Butter.

No foreign fats were found, but in many cases the butter was of very low grade as to flavor, owing to careless handling. Butter.

Coffee.

Eighty per cent. under this head were adulterated, the adulteration ranging from a moderate amount of chicory to little else than chicory, beans, &c. Coffee.

Canned Fruits.

With one exception contained nothing injurious. Canned fruits.

Drugs.

Excluding doubtful cases 18 per cent. were adulterated. Drugs.

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Milk.

Milk increase of adulteration.

Although the percentage of adulteration of samples analyzed is much less than when the Act came in force, still the past year shows an increase over the year preceding of 6 per cent. This agrees with public opinion, viz., that the adulteration of milk is on the increase.

I would suggest that samples should be taken systematically, at regular intervals in each month of the year.

Sugars.

Sugars.

All were of good quality.

Syrups.

Syrups.

These were harmless, and in many cases excellent. One contained a high percentage of alcohol, 13 per cent.

Teas.

Tea.

With two exceptions were unadulterated.

Vinegars.

Vinegars.

All were free from mineral acids.

Wines, Spirits and Bitters.

Wines, &c.

Beyond dilution the spirits were unadulterated, and of the samples of wines, one was probably spurious.

I have the honor to be,
Your obedient servant,

MAYNARD BOWMAN,
Public Analyst.

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ST. JOHN DIVISION.

CHEMICAL LABORATORY, 61 PRINCE WILLIAM ST.,
ST. JOHN, N.B., 28th February, 1883.

To the Commissioner of Inland Revenue,
Ottawa.

SIR,—I have the honor to submit my Report on samples of food material analysed by me for the Department of Inland Revenue, between 25th October 1882, and 22nd January 1883. Number of samples analysed.

The following is a tabulated statement of my result :—

Nature of Substance.	Adulterated.	Not Adulterated.
Baking powder	....	2
Bread	.....	2
Butter	3	7
Canned fruit	5	5
Cocoa	.....	6
Coffee	.....	6
Meal	.....	4
Milk	6	4
Spices	4	8
Sugar	.....	4
Syrup	.....	4
Tea	1	3
Vinegar	.....	6
Quinine wine	.....	2
Rye whiskey	.....	2
Totals	19	65

There do not appear to be any points which call for special "Remarks" except that the analyses of tea fail to show the amount of worthless trash sold in this market under the name of "tea." A larger number of samples should be examined in order to show the extent of the adulteration.

The various "liquors"—such as wine, brandy, whiskey, sold in this city, are in many cases dangerous compounds, and should be specially tested. Liqueurs.

I have the honor to be Sir,
Your obedient servant,
W. F. BEST,
Public Analyst.

CHEMICAL LABARATORY, 61 PRINCE WILLIAM ST.,
ST. JOHN, N. B., 26th July 1883.

To the Commissioner of Inland Revenue,
Ottawa.

SIR,—I have the honor to submit my Report on Food Samples sent to me for analysis, between March 10th and May 28th of the present year.

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Number of samples analysed.

The following is a tabulated statement of my results :—

Nature of Substance.	Adulterated.	Not Adulterated.
Baking Powder		1
Biscuit		2
Bread		2
Butter	5	8
Canned Pears		3
" Peaches	1	
" Corn		2
" Tomatoes		3
" Beef		2
" Mutton	1	
" Lobster	3	
" Salmon	2	
" Sardines		1
Cayenne Pepper	2	
Coffee		9
Cream of Tartar	3	2
Flour		2
Liqueurs and Proprietary wines, &c.		3
Milk	3	9
Mustard	3	
Pepper	3	
Tea	9	3
Totals	35	52

With reference to the articles grouped as "liqueurs and proprietary wines and bitters," there are but a limited number of such substances sold in this city, consequently only three out of ten samples ordered were brought to me for analysis.

Tea.

Tea.

Of the twelve samples examined the majority were low priced teas and proved quite inferior in quality. I have reason to believe that there are teas sold in this city at 12 to 15 cents per pound, which are quite unfit for use. The chief adulterations found were foreign leaves, tea dust and stalks but in several samples examined for private parties, I found mineral substances and various decoctions added to exhausted leaves.

Mustard.

Mustard.

All the samples have been classed as adulterated, and yet it is difficult to draw the line when all mustard in packages contains more or less flour.

Butter.

Butter.

I have looked in vain for Butterine or Oleomargarine, which is said to be in our market. With the exception of one sample which contained "foreign fat," the butter examined was very fair.

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Canned Beef.

Canned Beef.

It appears to be a common practice to put beef up in cans lined with lead instead of tin. In time there would no doubt be dangerous compounds formed, by the action of the lead on the juices of the beef.

Canned Fruit.

Canned fruit.

Much loose solder was found in cans, and traces of salts formed by the action of the fruit acids on the lead and tin were detected in several instances.

Canned Mutton.

Canned mutton.

This article not being much in demand is found to be stale and unfit for food.

I have the honor to be, Sir,
Your obedient servant,

WILLIAM F. BEST,
Analytical Chemist, Public Analyst.

LONDON DIVISION.

LONDON, ONTARIO, 18th November, 1882.

To the Commissioner of Inland Revenue,
Ottawa.

DEAR SIR,—I beg to submit to you herewith my Report of the work done by me as Public Analyst since my appointment in May, 1882.

I have received from the Inland Revenue officers of this district forty samples of food consisting of—

Number of samples analysed.

Six	samples of	Tea.
Six	"	" Coffee.
Four	"	" Bread.
Four	"	" Mixed Sweets.
Four	"	" Sugar.
Four	"	" Canned Fruits.
Six	"	" Milk.
Six	"	" Butter.

The following table shows the results of the analysis of these several articles :—

Samples.	Adulterated.	Pure.	Doubtful.	Total.
Tea		6		6
Coffee	1	5		6
Bread		4		4
Mixed sweets	1	3		4
Sugar		4		4
Canned fruit		4		4
Milk	1	5		6
Butter	3	3		6
Total	6	34		40

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Tea.

Tea. All the samples were genuine, and four of them of good quality; one of fair quality and one inferior. The Theine was determined by Dragendorff's method as modified by Blyth.

ANALYSIS of six samples of Tea.

No.	Extractive.	Ash.	Theine.
5 721	34	6·24	1·93
5,722	28	6·48	1·82
5,723	33	5·22	1·97
5,724	27	5·24	2·24
5,725	32·5	5·74	2·02
5,726	29	5·28	1·30

Coffee.

Coffee. Of the six samples analysed five contained nothing but pure ground coffee, the sixth about 20 per cent, of chicory.

Bread.

Bread. The four samples analyzed were all of good quality and unadulterated.

Mixed Sweets.

Sweets The six or seven sorts of candy contained in each sample of the mixed sweets were each examined separately; one lot contained nothing but pure sugar and gum. In two of the other mixtures about half of the samples were pure sugar and gum, the other portion contained starch in varying proportions. In the fourth series nearly all the samples were adulterated with Terra Alba (Sulphate of Lime) the adulterant varying in proportion from 10 to 35 per cent. Sweets adulterated to this extent with such a substance are unfit for use. The coloring matters contained nothing injurious.

Sugar.

Sugar. The four samples analyzed were all unadulterated. The granular sugars were practically pure; the raw and yellow sugars good samples of these grades.

Canned Fruits.

Canned fruits Of the four samples analyzed one was free from metallic impurities, one showed decided traces of iron, one traces of iron and tin, and the fourth traces of iron with faint traces of lead and tin. The presence of these several metallic impurities was no doubt due to the solvent action of the acids in the fruit on the tin cans and the solder. In the minute quantities indicated they could scarcely be regarded as deleterious.

Milk.

Milk. Of the six samples analyzed only one was found to be watered, the other five being of good quality.

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Butter.

Of the six samples examined three were found to be pure butter, the other three contained an excess of water. Butter.

Summary.

It is gratifying to note that out of the forty samples analyzed but six were found to be adulterated, indicating, if the samples fairly represent the articles as usually sold, that the public in this district are much less imposed on in this respect than in some of the other sections of the Dominion. Summary.

WM. SAUNDERS,
Public Analyst.

LONDON, ONTARIO, 30th June, 1883.

To the Commissioner of Inland Revenue,
Ottawa.

SIR,—I have the honor of submitting herewith my second report, covering work done during the year ending June 30th, 1883. Within the period named I have analysed 112 articles of food and drink, and beg to submit the following tabular statement of results:— Number of samples analysed.

Nature of Samples.	Number.	Unadulterated.	Adulterated.	Doubtful.	Nature of Adulteration.
Bread	4	4	.....	.....	
Soda Biscuit	4	4	.....	.....	
Butter	18	13	5	.....	One sample with one-third tallow, others with excess of salt or water.
Milk	18	14	1	3	With 10 per cent. water.
Tea	4	3	1	.....	With foreign leaves.
Coffee	11	10	1	.....	With one-third Chicory.
Cocoa	3	3	.....	.....	
Chocolate	1	1	.....	.....	
Sugar	4	4	.....	.....	
Syrups	4	1	2	1	Glucose.
Vinegar	6	6	.....	.....	
Whiskey	2	2	.....	.....	
Liquors	6	6	.....	.....	
Canned Fruits and Vegetables	9	9	.....	.....	
Canned Meats and Fish	4	4	.....	.....	
Mustard	2	.....	2	.....	
Ground Cinamon	3	.....	3	.....	
do Allspice	2	.....	2	.....	
do Black Pepper	2	2	.....	.....	
do Cloves	2	2	.....	.....	
do Ginger	2	1	1	.....	
Powdered Mace	1	.....	1	.....	
	112	89	19	4	

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Bread and Soda Biscuits.

Bread, &c. The eight samples examined were all found to be of good quality and free from any adulteration.

Butter.

Butter. Of the eighteen samples of butter analysed, five are placed on the list of adulterated articles. The adulterant in four of these was either salt or water, which was present in excess; in the other case, tallow was found in the proportion of one-third. Three of the samples were rancid.

In the absence of any recognized standard as to what proportion of water or salt should be regarded as an excess, I have followed as nearly as possible the course of the majority of analysts, and reported as adulterated all samples containing 12 per cent. of water, and upwards, and 6 per cent. of salt.

Milk.

Milk. Eighteen samples were analysed, fourteen of which were found to be pure; three doubtful, the proportion of cream being suspiciously small, pointing to the probability of there having been partially skimmed, and one adulterated with water to the extent of 10 per cent.

Tea.

Tea. Of this article four parcels were examined, three of which were pure and of good quality, and one adulterated with foreign leaves.

Coffee.

Coffee. Out of eleven specimens examined only one was found adulterated and that contained about one-third chicory.

Cocoa and Chocolate.

Cocoa, &c. Three samples of cocoa and one of chocolate were analysed and all found pure.

Sugar and Syrups.

Sugar and Syrups. The four samples of sugar examined were found to be of good quality and free from adulteration. With the syrups the result was very different. Two of these out of the four analysed were found to consist of commercial glucose with a small quantity of cane sugar added to partially sweeten them, a third specimen contained a suspiciously large proportion of glucose, one only a sample of West Indian molasses being pure. Glucose *may* be as healthy to use as cane sugar but it is a cheaper article and its sweetening power is much less, not more than as two to five, and if sold it should be disposed of under its proper name. The sale of glucose for cane sugar syrup is a fraud on the public which should be suppressed.

Glucose substituted for cane sugar.

Vinegar.

Vinegar. Six samples of vinegar were tested and found to be free from adulteration, but all contained traces of iron, some slight, others very decided but in no case in sufficient quantity to make them unwholesome.

Whiskey and Liquers.

Whiskey, &c. Two specimens of whiskey were examined and found to be of full strength and free from fusel oil or any other deleterious foreign

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ingredient. The same may be said of the six samples of liquers analysed, all of which contained alcohol in varying proportions excepting the raspberry vinegar which was free from spirit.

Canned Fruits, Vegetables and Meats.

Canned fruits, &c.

Nine samples of canned fruits and vegetables were submitted to me and four of canned meats. All the samples of the latter were found to be in a good state of preservation and entirely free from all metallic impurities. In the fruits which consisted of apples, peaches and plums, there were found decided traces of iron and tin, but no lead. The plums which indicated the presence of tin most strongly were submitted to gravimetric analysis when a one pound can of the fruit was found to yield about one grain of metallic tin. In two samples of string beans one was found to contain faint traces of tin only, the other decided traces of tin, with traces of iron and a faint indication of lead. A sample of sugar corn showed strong traces of iron and decided traces of tin, and one of tomatoes gave slight traces of the same metal. Of two samples of peas analysed one indicated slight traces of lead with no other metallic impurity, whereas the other gave slight traces of iron and decided traces of lead. The latter which indicated so decidedly the presence of lead was submitted to gravimetric analysis and yielded from a one pound can about one and a half grains of metallic lead. Since lead is a cumulative poison the presence of so large a proportion in a single pound of vegetables would be a serious source of danger to the consumer.

Traces of iron and tin.

In all these instances the iron and tin have doubtless been derived from the tin cans in which the materials have been preserved, and the lead from the solder. In testing the solder with which these vessels were secured, one sample, No. 5784, from a tin containing canned peaches was found to be entirely free from lead. Since solder can be procured free from lead, it is very necessary that all our canning companies should use such solder and not expose the public to the danger arising from the use of canned goods containing lead. The quantity of iron present in any of the samples would be harmless, and it is quite improbable that the slight traces of tin would result in any injury to the consumer.

Mustard.

Mustard.

Two samples were examined, one was found to be adulterated with dried clay in the proportion of about one third mustard and two thirds clay; the other consisted of about two thirds mustard and one third of farinaceous adulterant.

Spices.

Spices largely adulterated.

Twelve samples of ground or pulverized spices were analysed with the following results. Three samples of cinnamon consisted of powdered cassia adulterated respectively with about 20, 40 and 50 per cent. of farinaceous substances. Two samples of all-spice, both adulterated; one with 20, the other with 40 per cent. of the adulterant. Two parcels of powdered black pepper and two of powdered cloves were all found to be pure, while of two specimens of ginger tested one was pure, and the other adulterated to the extent of 25 per cent., one sample of powdered mace was also adulterated with about one-third of farinaceous material.

I have the honor to be
Your obedient servant,
WM. SAUNDERS, F.R.S.C.,
Public Analyst.

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APPENDIX B—INSPECTION OF FOOD AND DRUGS.

MEMORANDUM of Instructions given to Collectors of Inland Revenue as to the Number of Samples to be submitted to the various Public Analysts, during the Fiscal Year ending 30th June, 1883.

Date.	Collector of Inland Revenue.	Division.	Breadstuffs, viz.:—Bread, Biscuit, Baking Powder, Flour, &c.	Butter.	Condiments and Spices.	Canned Fruits and Vegetables.	Coffee.	Cocoa & Chocolate.	Drugs.	Liqueurs and Proprietary Wines & Bitters.	Milk.	Potted Meats and Fish.	Sugar.	Tea.	Sundries.	Total Estimated cost of Analysis.	Remarks.
1882.																$ cts.	
Oct. 14...	W. C. Stratton	Toronto	8	10	15	7	7	6	31	8	10	.....	6	8	12	872 00	
" 14...	J. L. Vincent.	Montreal.....	8	10	15	7	7	6	31	8	10	.....	6	8	12	872 00	
" 14...	Geo. LaRue....	Quebec	4	6	10	5	5	4	24	4	6	.....	4	5	8	584 00	
" 14...	D. C. Perkins.	St. John.....	4	6	10	5	5	4	24	4	6	.....	4	5	8	581 00	
" 14...	H. H. Grant...	Halifax.....	4	6	15	5	5	4	24	2	6	.....	4	5	8	608 00	
" 14...	W. J. Gerald.	London.....	4	8	10	5	5	4	.....	.....	8	.....	4	4	10	380 00	
" 14...	J. L. Vincent.	Montreal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	20 00	4 samples of Milk Food.
Feb. 21...	do ...	do	.....	20	10	8	10	.....	.....	.20	20	10	.....	20	10	830 00	10 samples of Pork and Sausage to be microscopically examined for Trichina.
Mar. 10...	W. C. Stratton	Toronto	6	20	8	8	10	.....	.....	20	20	10	.....	.....	.....	594 00	
" 10...	Geo. LaRue....	Quebec	6	12	8	6	8	.....	.....	10	12	8	.....	.....	.....	404 00	
" 10...	H. H. Grant...	Halifax.....	6	12	8	6	8	.....	.....	20	12	8	.....	.....	.....	484 00	
" 10...	D. C. Perkins.	St. John.....	6	12	8	6	8	.....	.....	10	12	8	.....	.....	.....	404 00	
" 10...	W. J. Gerald..	London.....	4	10	4	4	6	.....	.....	6	10	4	.....	.....	.....	270 00	
April 5...	W. C. Stratton	Toronto	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	60 00	Prepared Cocoanut
" 24...	J. L. Vincent.	Montreal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	10 00	Kaimet used for agriculture.
May 14...	D. C. Perkins.	St. John.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	.....	120 00	
June 19...	W. C. Stratton	Toronto	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	60 00	Soda water from fountains.
" 19...	J. L. Vincent.	Montreal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	60 00	do do
																7,216 00	

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TABULATED Statements of the results of the Analysis of Food, for the Fiscal Year ending 30th June, 1883.

BREAD AND BREADSTUFFS.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of the Analysis, and Remarks by the Analyst.
1882.					
Nov. 3...	W. H. Ellis	Toronto...	5,951	A. G. Booth.....	Baking Powder, Cook's Friend. Consists of cream of tartar, carbonate of soda mixed with flour.
do 3...	do	do ...	5,952	McCormack Bros.....	do Boh-Ton. Consists of cream of tartar, sulphate of lime and carbonate of soda mixed with cornstarch.
Aug 25...	Maynard Bowman.....	Halifax....	6,008	W. H. Pallister	do Good quality.
do 25...	do .	do	6,009	Davidson Bros.....	do Nothing injurious.
do 25...	do .	do	6,010	C. Norman..	do do
do 25...	do .	do	6,011	C Graham & Co.....	do Good quality.
Dec. 23...	do ..	do	6,083	Thomas Lynch.....	do Adulterated with 30 p.c. of flour.
do 23...	do .	do	6,084	John Meagher.....	do do
1882.					
Nov. 10...	W. F. Best.....	St. John...	5,696	C. A. Clark.....	do Woodills. Not adulterated; same as usual.
do 10...	do	do ...	5,697	W. A. Magee	do do
1883.					
April 7	do	do ...	6,477	P. Trueman.....	do do
1882.					
Dec. 3...	W. H. Ellis.....	Toronto...	5,947	F. Fallaize.....	Bread. Unadulterated.
do 3...	do	do ...	5,948	C. Wilson	do do
Nov. 3...	do	do ...	5,954	W. Radcliffe	Soda Biscuits. Unadulterated.
do 3...	do	do ...	5,955	E. Anderson	Sweet do do
1883.					
June 8...	do	do ...	7,451	R. English.....	Lemon do do
do 8...	do	do ...	7,452	R. Davis	Milk do do
do 8...	do	do ...	7,453	Geo. Scott.....	Fine do do.
do 12...	do	do ...	7,454	E. K. Scoley.....	Arrowroot Biscuit. Unadulterated.
do 12...	do	do ...	7,455	W. A. Bradshaw.....	Abernethy do do
do 12...	do	do ...	7,456	Swan Bros	Crackers do do

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APPENDIX C—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued*

BREAD STUFFS.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1882.					
Nov. 16...	J. Baker Edwards	Montreal..	5,890	J. Cochenthaler.....	Yellow Cake. Ash 1·2, wholesome and unadulterated, no mineral colouring matter.
do 16...	do .	do ..	5,891	do	Currant buns. Ash 1·3, unadulterated wholesome.
do 16...	do .	do ..	5,892	E. Elliott.....	White twist. Ash 1·5, unadulterated, sweet and wholesome.
do 16...	do .	do ..	5,893	do	Tinned loaf. Ash 1·6, do do
do 2...	M. Fiset.....	Québec....	5,589	Arthur Drolet.....	Hethingtons wine biscuit. Pure.
do 23...	do	do	6,316	Ed. Ruel.....	do mixed do do
1883.					
March 28.	do	do	6,366	H. Marchand	do wine do do
April 30...	do	do	7,302	N. Mingay.....	do mixed do do
1882.					
Oct. 26...	do	do	5,586	A. Michaud.....	Bread. Ash 2. Good and pure.
1883.					
Mareh 17.	do	do	6,351	F. Falardeau.	do 1·80. Pure.
do 17.	do	do	6,352	Mr. St. Hilaire... ...	do 1·60 Pure.
1882.					
Aug. 19...	Maynard Bowman.....	Halifax...	5,391	Moir Son & Co.....	do 1·42. Unadulterated, good bread.
do 19...	do ...	do	5,392	do	do 1·99. Unadulterated.
Dec. 23...	do ...	do	6,077	R. T. Forrestall.....	do Good wholesome bread.
do 23...	do ...	do	6,078	James Miller... ...	do Unadulterated.
do 23...	do ...	do	6,079	do	do do fair quality.
do 23...	do ...	do	6,080	Wm. Lowe	do Unadulterated.
do 23...	do ...	do	6,081	R. T. Forrestall.....	Biscuit. Good quality.
do 23...	do ...	do	6,082	Michael Routledge.....	do do
1883.					
April 28...	do ...	do	6,694	Mrs. B. O'Brien.	do No adulteration.
April 28...	do ...	do	6,695	Mary Walsh	Biscuit. No adulteration.

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do 28...	do ...	do	6,696	T. Mayor.....	do	do
do 28...	do ...	do	6,697	Mrs. Quinn	Bread	do
do 28...	do ...	do	6,698	Mrs. McGinnis.....	do	do
do 28...	do ...	do	6,699	James Miller.....	do	do
1882.						
Dec. 16...	W. F. Best.....	St. John...	6,409	E. Hayes.	do	Fresh and pure, no trace of alum or any other extraneous materials.
do 16...	do	do ...	6,410	Bryden Bros.....	do	Not adulterated.
1883.						
Mar. 16...	do	do ...	6,433	King Bros.....	Biscuit.	Pure and perfectly fresh, made from sound flour, no trace of mould or other objectionable feature.
do 16...	do	do ...	6,434	Weldon Bros.....	Biscuit.	Pure materials used in manufacture, no extraneous substance detected.
April 11 ..	do	do ...	6,484	J. P. Mahoney.....	Bread.	Fresh and pure. Contains nothing injurious.
do 11...	do	do ...	6,485	S. Lauckner.....	do	do do do
1882.						
Oct. 20...	W. Saunders.....	London....	5,701	O. J. Bridle.....	Bread.	Contains no alum or other adulteration and the bread is of good quality.
do 20...	do	do ...	5,702	W. R. Fessenden.....	do	do do do do
do 20...	do	do ...	5,703	F. Charlesworth.....	do	do do do do do
do 20...	do	do ...	5,704	William Mills.....	do	do do do do do
1883.						
April 30...	do	do ...	5,785	Ferguson Bros.....	Soda biscuit.	No adulteration. Ash, ·85 per cent. consisting chiefly of common salt.
do 30...	do	do ...	5,786	do	do	do ·87 do do
do 30...	do	do ...	5,787	D. S. Perrin & Co.....	do	do 1·00 do do
do 30...	do	do ...	5,788	McCormick Manufacturing Co.....	do	do 1·39 do do
May 3...	do	do ...	5,789	Ranahan Bros	Ash .91.	Moisture 40·68. Wheat flour 58·41. Bread of good quality and free from adulteration.
do 3...	do	do ...	5,790	H. H. Gore.....	Ash 1·25.	Moisture 39·21. Wheat flour 59·54. Bread of good quality and free from adulteration.
do 3...	do	do ...	5,791	William West.....	Ash ·80.	Moisture 38·65. Wheat flour 60·55. Bread of good quality and free from adulteration.
do 3...	do	do ...	5,792	H. Fysh.....	Ash ·57.	Moisture 39·97. Wheat flour 59·46. Bread of good quality and free from adulteration.
1882.						
Nov. 3...	W. H. Ellis.....	Toronto...	5,949	W. D. McIntosh.....	Flour.	Unadulterated.
do 3...	do	do ...	5,950	J. & J. N. Andrews....	do	do
Dec. 1...	J. B. Edwards...	Montreal..	6,111	Senecal, Cadieux & Co.	Self Raising	do Wholesome and efficient.
do 1...	do ...	do ...	6,112	do ...	do	Genuine and effective.
do 1...	do ...	do ...	6,113	H. Gariepy.	do	Genuine wheat flour.
do 1...	do ...	do ...	6,114	Chaput & Co.....	do	do
Nov. 10...	M. Fiset.....	Quebec....	6,301	Dubeau & Prevost	Prepared flour, consisting of flour, bitratrate of potassium, carbonate of soda and chlorate of sodium. Pure without unwholesome ingredients.	
Aug. 21...	Maynard Bowman	Halifax....	5,393	Moir, Son & Co.....	Flour.	Ash ·67 per cent. Unadulterated.
do 21...	do ...	do	5,394	Lordly & Stimpson.....	do	·72 do do

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

BREADSTUFFS—*Concluded.*

Date.	Name of Analyst.	Divisions.	No. of Analyst's Report.	Vendor.	Results of the Analysis and Remarks by the Analyst.
1883.					
Mar. 16...	W. F. Best.....	St John...	6 438	King Bros	do Pure wheat flour, no trace of any extraneous matter.
do 16...	do	do ...	6,439	Weldon Bros.....	do . Not adulterated.
1882.					
Oct. 20...	do	do ...	5,649	Puddington & Merritt.	Corn meal. Perfectly fresh. Unadulterated.
do 20...	do	do ...	5,650	W. A. Porter.....	do Fresh and not adulterated.
Dec. 16...	do	do ...	6,415	W H. Spragg.....	Oatmeal. Not adulterated.
do 16...	do	do ...	6,416	William Martin.....	do do

BITTERS AND LIGHT WINES.

1883.					
Mar. 14...	W. H. Ellis.....	Toronto ...	7,489	H. Miller & Co.....	Quinine Bitters. Contains ½ grain of sulphate of quinine to the ounce.
do 14...	do	do ...	7,490	W. R. Stewart.....	Imperial Quinine Wine. Contains only a trace of quinine.
do 14...	do	do ...	7,491	May & Co.....	Quinine Wine. Contains ½ grain of sulphate of quinine to the ounce.
do 14...	do	do ...	7,492	Josiah Green.....	do do ½ do do
June 28...	ao	do ...	7,457	J. G. Bright	Native Wine. Solid residue containing sugar, 1·57 p.c. ; alcohol, 12 p.c.
do 28...	do	do ...	7,458	W. R. Bingham.....	Angustura Bitters. Unadulterated.
do 28...	do	do ...	7,459	E. Hooper & Co.....	Zoedone. An aerated sweetened beverage, free from alcohol, and giving reactions for iron and phosphoric acid.
do 28...	do	do ...	7,460	do	Vin Santé. An aerated sweetened beverage which when evaporated to dryness and incinerated, gives reactions for phosphoric acid and iron. It contains no alcohol.
do 28...	do	do ...	7,461	Perkins Ince & Co	John Bull Bitters. Contains 19·2 p.c alcohol to 41 p.c. proof spirits. Unadulterated.
do 28...	do	do ...	7,462	Hop Bitter's Co.....	Hop Bitters. do 12·8 do 27·8 do do
do 28...	do	do ...	7,463	J. G. Bright	Ginger Wine. do 13, do 28·1 do do
do 28...	do	do ...	7,464	H. Sugden, Evans & Co	do An aerated sweetened beverage which when evapoured to dryness, and incinerated gives reaction for phosphoric acid and iron, containing no alcohol.
do 28...	do	do ...	7,465	T. O'Connell	Champagne. Unadulterated.
do 28...	do	do ...	7,466	H. Miller & Co.....	Hop Bitters. Contains 12·8 p.c. alcohol, to 27·8 p.c. proof spirit. Unadulterated.

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do	28...	do	do ...	7,467	Queen's Hotel.....	Zoedone. An aerated sweetened beverage free from alcohol and giving reactions for iron and phosphoric acid.
do	28...	do	do ...	7,468	do	Champagne Cider. Contains 2 p.c. of alcohol, 7 p.c. of solids and one p.c. ash. Unadulterated.
do	28...	do	do ...	7,469	Fulton, Michie & Co....	Stoughton Bitters. do 60 do Unadulterated.
do	28...	do	do ...	7,470	Quetton, St. George & Co.....	Arigostura Bitters. Unadulterated.
do	28...	do	do ..	7,471	E. Hooper & Co.....	Orange Bitters do contains 60 p.c. alcohol.
do	28...	do	do ...	7,472	McCormick Bros.....	Tonic Bitters. Contains 4·2 p.c. of alcohol = 9.2 p.c. proof spirit. Unadulterated.
do	28...	do	do ...	7,473	T. O'Connell	Native Wine. Contains 13·46 p.c. alcohol, and 8 p.c. total solids.
do	28...	do	do ...	7,474	do	Vermouth. Contains 15 p.c. alcohol = to 32·7 p.c. proof spirits. Unadulterated.
do	28...	do	do ...	7,475	W. R. Bingham.....	Champagne Cider. Contains 7 p.c. solids, 1 p.c. ash, and 2 p.c. alcohol. do
do	28...	do	do ...	7,476	Quetton, St. George & Co.....	Curaçoa. Contains 30·3 of alcohol = 65·8 p.c. proof spirit. Unadulterated.
Jan.	15...	J. B. Edwards...	Montreal.	6,171	John Gardner.....	Quinine Bitters. Genuine, containing 1 grain sulphate of quinine to each fluid ounce alcohol, 16 p.c., in form of a light red wine, free citric acid.
do	15...	do	do ...	6,172	J. D. L. Ambrosse.....	Mercer's Quinine Wine. An agreeable and elegant proprietary nostrum, containing 1 grain of sulphate of quinine in 2 fluid ounces of alcohol, 18 p.c.
do	15...	do	do ...	6,173	R. Birks	Carpenter's Hop Bitters. Unadulterated, being a weak tincture of hops, dandelion, mandrake, etc. Alcoholic strength 14 p.c
do	15...	do	do ...	6,174	do	Hop Bitters. A proprietary medicine, containing hops, buchu and other drugs, not adulterated. Alcoholic strength 16 p.c.
1882.						
Dec.	14...	M. Fiset.....	Quebec.....	6,334	J. Weldon.....	Quinine Wine. Contains 1 grain of quinine for every glass of wine. Pure.
do	14...	do	do ...	6,335	L. Huot.....	Quinine Wine. Pure.
1883.						
Mar.	21...	do	do ...	6,359	W. E. Brunet.....	LaRoche Quinine Wine. An excellent strengthening tonic. Pure.
April	5...	do	do ...	6,373	Arthur Drolet.....	Friend's Bitters. Excellent tonic. Pure.
do	5...	do	do ...	6,374	L. Huot	Quinine Wine. Pure.
do	19...	do	do ...	6,385	do	Quinine and Iron. Pure.
do	19...	do	do ...	6,390	A. Jouvain.....	Cider. Excellent.
May	10...	do	do ...	7,304	Turcotte & Prevost....	Campbell's Quinine Wine. Pure.
Feb.	24...	M. Bowman.....	Halifax....	6,640	Brown & Webb.....	Quinine Wine. Of good quality. Unadulterated.
do	24...	do	do ...	6,641	George Irwin.....	Quinine Bitters. A solution of sulphate of Quinine, flavored with orange. Unadulterated.
do	24...	do	do ...	6,642	R. J. McFalridge.....	Quinine Bitters. A solution of sulphate of quinine. Unadulterated.
do	24...	do	do ...	6,643	T. W. Walsh.....	do do do do
May	31...	do	do ...	7,004	J. K. Bent	Hop Bitters. Contains nothing injurious. 28-6 p.c. proof spirit.
do	31...	do	do ...	7,011	James Knight.....	Aromatic Bitters. do 36·3 do
do	31...	do	do ...	7,012	A. J. Manly.	Ginger Wine. Is of fair quality. Unadulterated. 24·20 p.c. proof spirit.
do	31...	do	do ...	7,014	C. F. Vose.....	Cock-tail Bitters. Contains nothing injurious 36·3 proof spirit.
do	31...	do	do ...	7,017	Kelly & Glassie.....	Indian Bitters. do do 35·6 do
do	31...	do	do ...	7,018	James Knight.....	Ginger Wine. A good preparation. do 28·6 do
1882.						
Oct.	26...	W. F. Best.....	St. John...	5,679	C. Clark.....	Hanington's Quinine Wine. Contains nothing injurious. The amount of quinine present is small.

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BITTERS AND LIGHT WINES.—*Continued.*

Date.	Name of Analyst.	Divisions.	No. of Analyst's Report.	Vendor.	Results of the Analysis and Remarks by the Analyst.
1882.					
Nov. 13...	W. F. Best.....	St. John...	6,404	W. C. R. Allen.....	Quinine Bitters. Contains nothing injurious, a very small percentage of quinine sulphate.
1883.					
April 7...	do	do ...	6,470	Hanington Bros	Hop Bitters. Contains nothing injurious.
do 7...	do	do ...	6,471	do	Burdock Bitters. do do
do 7...	do	do ...	6,472	do	Quinine Wine. do do
June 7...	Wm. Saunders ..	London. ...	7,122	Elliott Bros.....	Native Wine. Contains 14 p.c. alcohol, 13 p.c, sugar and 73 p.c. water.
do 7...	do	do ...	7,125	do	Ginger Wine. 14 do 20 do 66 do Flavored with ginger and and a little capsicum.
do 7...	do	do ...	7,126	do	John Bull Bitters. Contains 22·80 p.c. alcohol, 6 p.c. sugar and 71·20 p.c. water; also contains a small quantity of a vegetable bitter and is flavored with oil of gaultheria. (Winter green.)

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BUTTER.

Date.	Name of Analyst.	Division.	No of Analyst's Report.	Vendor.	Results of Analysis.				Remarks by the Analyst.
					Butter Fat.	Caseine.	Salt.	Water.	
1882.					p. c.	p. c.	p. c.	p. c.	
Nov. 1...	W. H. Ellis ...	Toronto	5945	W. Hague	85·5	1·7	5·7	7·1	Unadulterated.
do 1...	do	do	5946	W. Graham	90·9	2·3	2·2	4·6	do
do 3...	do	do	5958	Humphrey & Jackson. ...	90·9	1·18	1 80	6·93	do
do 3...	do	do	5959	W. T. Dallimon...	87·50	1·03	1·35	10·12	do
do 28...	do	do	5962	Mary White.....	87·7	·8	3·0	8 5	do
do 28...	do	do	5963	C. Somers.....	80·88	1·42	9·06	8·64	Contains a large quantity of salt and water.
Dec. 6...	do	do	5967	J. Dickson.....	80 9	1·8	6·6	10 7	do do do do
do 6...	do	do	5968	Mrs. Roberts.....	82·13	1 07	4 50	12·30	Unadulterated.
do 14...	do	do	5970	S. Leonard.....	81·55	1 40	4·00	13·05	do
do 14...	do	do	5971	A. O'Gorman	81·75	1·64	4·20	12 41	do
1883.									
June 18...	do	do	6796	R. Barron.....	83·63	1·11	5·26	10·00	do
do 18...	do	do	6797	E. B. Dewey	88 95	1·25	2·77	6 76	do
do 18...	do	do	6798	W. H. Elvins.....	90·48	·93	1·89	6 70	do
do 18...	do	do	6799	J. Mishaw.....	86·38	1·53	·86	11·23	do
do 18 ..	do	do	6800	J. Forster.....	83 77	1 03	4·80	10·40	do
do 18...	do	do	7406	S. Evans	86·65	·71	3 20	9·44	do
do 18...	do	do	7407	A. O'Gorman.....	80 24	1·68	10 56	7·52	Contains a large quantity of salt and water.
do 18...	do	do	7408	J. Hesson.....	80·75	1·10	5·60	12·55	do do do do
do 18...	do	do	7409	J. Quinn.....	86·30	1·14	1·82	10·74	Unadulterated.
do 18...	do	do	7410	Humphrey & Jackson.. ...	84 82	1·10	2·26	11·82	do
do 23...	do	do	7411	W. Guile & Co.....	84·38	·80	2·35	12·47	do
do 23...	do	do	7412	Shields Bros.....	84·92	1·27	2·91	10·90	do
do 23...	do	do	7413	R. Roberts.....	86·20	1·00	1·22	11·58	do
do 23...	do	do	7414	Mrs. Petter.....	91·20	1·10	1·83	5·87	do
do 23...	do	do	7415	C. Heys.....	84·22	·87	5·01	9·90	do
do 23...	do	do	7416	Mrs. Kay.....	87·52	·83	3·76	7·89	do
do 23...	do	do	7417	J. Gregor.....	81·23	1·37	6·25	11·15	do
do 23...	do	do	7418	W. Cross.....	84·65	1·10	4·83	9·42	do
do 23...	do	do	7419	Mrs. Beatty.....	87·43	·80	2·95	8·82	do
do 23...	do	do	7420	Mary White	85·29	1·25	3·05	10·41	do

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BUTTER.—*Continued*.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Result of Analysis.				Remarks by the Analyst.
					Butter Fat.	Caseine.	Salt.	Water.	
1882.					p. c.	p. c.	p. c.	p. c.	
Nov. 15...	J. B. Edwards ...	Montreal	5888	Renaud frère	85·2	5·6	7·8	1·4	Genuine.
do 15...	do ...	do	5889	Joseph Ladouceur	60·	1·1	8·5	10·4	Adulterated with 20 p.c. of other fats; also an excess of water.
do 28...	do ...	do	6102	Michael Vallier.....	75·	·50	5·5	7·	Adulterated with 20 p.c. of lard.
do 28...	do ...	do	6103	Olivier Berriau.....	79·	2·5	11·5	7·	do with excess of salt and water.
Dec. 9...	do ...	do	6130	F. Finn.....	85·5	6·5	2·0	6·	Fair quality.
do 9...	do ...	do	6131	David Carrière	84·	1·5	8 0	6·5	Fair butter.
do 9...	do ...	do	6132	Joseph Condon & Co.....	84·	5·2	5·2	5·6	Genuine but rancid.
do 9...	do ...	do	6133	R. McShane	86·	1 5	5 0	7·5	Genuine.
do 9...	do ...	do	6134	James O'Shaughnessy....	86·	1·00	6·5	6·5	do
do 9 ..	do ...	do	6135	Rappel et Cie.....	55·	.....	10·	5·	Adulterated with 30 p.c of mixed meat, fats
1883.									
April 6...	do ...	do	6804	John Hutchison.....	82·7	1·5	4·5	11·3	Genuine butter; water in excess.
do 6...	do ...	do	6805	Mathieu frère..... ...	77·	2 5	9·0	11·5	Adulterated by excess of salt and water
Mar. 28...	do ...	do	6806	Edward Delormer.....	76·2	4 3	12·0	7·5	do by salt
do 28...	do ...	do	6807	Daston et fils.....	75·	1·5	11·3	12·2	do with salt and water.
do 28...	do ...	do	6850	Henry Norman.....	33·	.....	7·3	15·5	do with 42·2 p.c. of other fats and brine; melting point, 135 Fahr.
do 28...	do ...	do	6851	Thos. Bissett.....	68·	2·3	7·0	22·7	Adulterated with brine.
do 28...	do ...	do	6852	J. E. Manning.....	50·	.....	16·3	7·7	do with 26 p.c. of other meat fats and salt; melting point, 135 Fahr.
do 2...	do ...	do	6853	James Delaney.....	93·2	1·	2·6	3·2	Genuine.
do 16...	do ...	do	6854	Joseph Picard.....	89·6	1·2	2·6	6·6	do
do 16...	do ...	do.	6855	S. J. Goldstein.....	87·6	1·2	3·8	7·4	do
do 16...	do ...	do	6856	J. B. Belanger.....	84·8	1·3	7·1	6·8	do
do 16...	do ...	do	6857	J. F. Legault.....	61·	.....	6·3	1·3	Adulterated with 30 p.c. of other fats; melting point, 135 Fahr.
June 4...	do ...	do	6874	Roch. Ouimet.....	82·6	2·3	3·3	11·8	Adulterated by excess of water.
do 4...	do ...	do	6875	Stevens Murphy.....	86·3	2·2	3·0	8·5	Genuine but water in excess.
do 4...	do ...	do	6876	William Irvine.....	89 8	1·2	1·3	7·7	do
do 4...	do ...	do	6877	J. B. Rodier.....	87·2	1·2	1·6	10·0	Adulterated by excess of water.

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do	6...	do ...	do	6878	James Cullen	90·	1·2	3·8	5·	Genuine.	
do	6...	do ...	do	6879	Alphonzie Piché.....	89·2	1·2	6·3	3·3	do	
do	6...	do ...	do	6880	Olaie Demers.....	83·6	1·5	6·7	8 2	do	
do	6...	do ...	do	6881	Joseph Mellette.....	88 6	4	3·6	7·4	do	
1882.											
Oct.	26...	M. Fiset.....	Quebec.....	5581	Louis Crepeau	88·40	·40	2·40	8·80	Good butter.	
do	26...	do	do	5582	Theop. Julien...	82·80	1·80	2·00	13·40	Too much water.	
Nov.	8...	do	do	5597	Ed. Giguéré....	70·00	5·40	10·20	14·40	Too much salt, water and caseine.	
do	8...	do	do	5598	do	76·46	3·14	6·40	14·00	Excess of water and salt.	
do	23...	do	do	6312	Herm. Marchand.....	86·40	4·00	3·00	6·60	Excess of caseine.	
do	23...	do	do	6313	W. Ruel.....	87·60	1·70	2·60	8·10	Good.	
Dec.	7...	do	do	6325	Léon Bertrand	82·90	1·00	6·00	10·10	Small excess of water and salt.	
do	7...	do	do	6326	do	79·84	2.60	4·40	13·10	Too much water.	
1883.											
Mar.	16...	do	do	6345	Mr. Gagnon.....	70·70	6·60	7·80	14·90	Excess of water, salt and caseine.	
do	16...	do	do	6346	Ed. Allard.....	71·60	4·50	7·60	16·30	Too much salt and water; bad butter.	
do	16...	do	do	6347	L. Bertrand.....	68·00	9·20	10·40	12·40	Excess of salt, water and caseine.	
do	16...	do	do	6348	L. Lamontagne.....	85·60	1·80	3·60	9·00	Good.	
do	23...	do	do	6362	Peter Farland.....	77·90	5·60	8·40	8·10	Traces of caseine and too much salt.	
do	23...	do	do	6363	Chas. McKibbon.....	80·20	4·40	5·60	9·80	Inferior.	
April	5...	do	do	6369	Ed. Giguére	74·10	6·00	5·80	14·10	Rancid and contains too much water, caseine and salt; very bad butter.	
do	5...	do	do	6370	Jos. Dussault.....	81·20	2·90	2·20	13·70	Too much water; butter very common.	
do	12...	do	do	6378	Alex. Labrecque.....	78·20	6·80	4·60	10·40	Too much water and caseine; bad quality.	
do	12...	do	do	6382	Mgl. Larivee.....	79·50	2·60	4·40	13·50	Rancid; too much water.	
do	19...	do	do	6389	A. Parent	79·20	4·80	4·60	11·40	Too much caseine and water; bad butter.	
do	19...	do	do	6388	F. Parent.....	77·20	7·60	4·60	10·60	Too much caseine; bad butter.	
1882.											
Aug.	12...	Maynard Bowman.....	Halifax.....	5361	Mrs. Debay	88·95	1·35	1·65	8·05	Unadulterated; good butter.	
do	12...	do ...	do	5362	J. D. Leahy & Co	81·50	·50	9·60	8·40	do	
do	15...	do ...	do	5374	J. H. Nesbit.....	88·30	1·15	3·10	7·45	do	
do	15...	do ...	do	5375	T. S. Lownes.....	87·20	1·55	4·85	6·40	do	
do	15...	do ...	do	5376	John Hogan.....	87·20	1·55	4·85	6·40	do	
do	15...	do ...	do	5377	Dillon Bros.....	88·00	3·25	·45	8·30	do	
do	19 ..	do ...	do	5387	T. Doyle.....	83·40	1·70	4·45	10·45	do	strong smelling.
do	19...	do ...	do	5388	James Kennedy	84·10	2·80	5·75	7·35	do	good butter.
do	19...	do ...	do	5389	— Bently.....	89·55	·90	2·55	7·00	do	inferior.
do	19...	do ...	do	5390	Charles Craig.....	87·90	1·25	3·55	7·30	do	strong.
do	23...	do ...	do	5398	James McDonald.....	85·10	1·10	7·10	6·70	do	but badly made.
do	23...	do ...	do	5399	Mrs. Keef.....	87·10	·60	2·25	10·05	do	but of inferior quality.
do	23...	do ...	do	5400	Mrs. O'Connor.....	88·15	1·00	2·05	8·80	do	
do	23...	do ...	do	6001	O. Dompierre.....	80·80	1·45	9·75	8·00	do	

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

BUTTER—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.				Remarks by the Analyst.
					Butter Fat.	Caseine.	Salt.	Water.	
1882.					p. c.	p. c.	p. c.	p. c.	
Nov. 22...	Maynard Bowman.....	do	6038	Robert Urquhart & Son...	88·40	·60	1·00	10·00	Unadulterated.
do 22...	do ...	do	6039	Mrs. Johanna Shey.	92·	·90	1·40	5·70	do
do 22...	do ...	do	6040	Thomas Major.....	87·70	·70	2·30	9·30	do
do 22...	do ...	do	6041	Mrs. Bridget Walsh.	74·15	·65	14·70	10·50	Adulterated with excess of salt and water.
do 22...	do ...	do	6042	Michael Maher.....	84·10	·50	6·20	9·20	Unadulterated.
Dec. 14...	do ...	do	6056	E. Morrison & Co.....	89·05	1·45	2·60	6·90	do good butter.
do 14...	do ...	do	6057	H. W. Brown	90·00	·90	3·10	6·00	Very good butter.
do 14...	do ...	do	6070	Henry N. Oldham.....	77·90	1·00	6·30	14·80	Adulterated with excess of water; very inferior butter.
do 14...	do ...	do	6071	Mrs. H. A. Quinn	85·40	·90	4·40	9·30	Unadulterated.
do 30...	do ...	do	6086	W. H. H. Jackson.....	78·00	·90	12·40	8·10	Adulterated with excess of salt.
1883.									
Mar. 24...	do ...	do	6646	Fader Bros	86·50	·70	2·60	10·20	Excellent butter; unadulterated.
do 24...	do ...	do	6647	J. D. Leahy.....	92·80	·30	2·30	4·60	Unadulterated.
April 2...	do ...	do	6658	Miss Wise.....	84·75	1·30	7·00	6·95	do
do 2...	do ...	do	6659	Mrs. Keef.....	89·15	2·20	1·60	7·05	do
do 9...	do ...	do	6668	J. O'Brien.....	89·05	·80	2·40	7·75	do
do 9...	do ...	do	6669	John Kennedy.....	89·80	·90	3·40	5·90	do
do 18...	do ...	do	6680	Mrs. J. Shea.....	82·60	1·20	5·00	11·20	do
do 18...	do ...	do	6681	Mary Dunlap.....	88·70	·70	2·60	8·00	do
do 26...	do ...	do	6692	Mrs. B. Walsh.....	89·10	·50	5·00	5·40	do
do 26...	do ...	do	6693	T. J. Martin.....	77 90	1·20	7·50	13·40	Contains too much water.
do 27...	do ...	do	7022	T. Major	91·70	·60	1·65	6·05	Unadulterated.
do 27...	do ...	do	7023	R. Urquhart & Son.....	83·90	·60	8·30	7·20	do
1882.									
Oct. 20...	W. F. Best.....	St. John.....	5667	Puddington & Merritt. ...	82·	1·25	5·25	11·50	do
do 20...	do	do	5668	W. A. Porter.....	81·	1·50	7·00	10·50	do part of the salts in large crystals.
do 26...	do	do	5673	A. Emery & Co.....	84·50	1·75	·75	13·00	do no foreign fat.
do 26...	do	do	5674	J. S. Armstrong & Bros..	74·50	·50	11·00	13·00	Too much water and salt.

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do	10...	do	.....	do	.....	5689	King Bros.....	75·25	·75	11·75	9·25	Too much salt.
Dec.	16...	do	.....	do	.....	6407	D. H. Spragg.....	81·50	3·00	6·50	9·00	Unadulterated.
do	16...	do	.....	do	.....	6408	William Martin.....	82·00	2·25	7·25	8·50	do
	1883.											
Jan.	22...	do	.....	do	.....	6429	J. S. Armstrong & Bros..	89·75	·75	4·	5·50	do
do	22...	do	.....	do	.....	6430	L. Nelson.....	85·50	·75	4·25	9·50	do
Mar.	16...	do	.....	do	.....	6461	C. A. Clark	91·50	1·50	2·25	4·75	Pure.
do	16...	do	.....	do	.....	6462	Weldon Bros.....	85·00	5·75	2·00	7·25	Unadultered.
do	16...	do	.....	do	.....	6463	King Bros.....	66·50	2·50	4·25	6·75	Adulterated with 20 p. c. of foreign fat.
April	7...	do	.....	do	.....	6464	B. McCrossin	85·50	3·00	2·50	9·00	Genuine.
do	7...	do	.....	do	.....	6465	Morrill & Merritt.....	85·75	3·00	3·00	8·25	do
do	7...	do	.....	do	.....	6466	W. A. Porter.....	80·00	2·75	10·50	6·75	Excess of salt.
do	11...	do	.....	do	.....	6488	Jardine & Co.....	73·25	1·25	16·00	9·50	Too much salt.
May	14...	do	.....	do	.....	6495	Geo. Robertson.....	80·40	1·00	7·30	11·30	Genuine butter, slight excess of water.
do	14...	do	.....	do	.....	6496	Ann McDevitt	72·80	1·40	14·10	11·70	Contains too much salt.
do	14...	do	.....	do	.....	6497	John Gorman.....	85·70	1·20	3·70	9·40	Excellent butter; not adulterated.
do	28...	do	.....	do	.....	7217	C. A. Clark	82·60	1·10	5·20	11·10	Unadulterated.
do	28...	do	.....	do	.....	7218	King Bros.....	80 70	1·10	9·00	9·20	Excess of salt; adulterated.
do	28...	do	.....	do	.....	7219	Samuel Tufts.....	81·10	1·30	7·30	10·30	Unadulterated.
	1882.											
Nov.	18...	W. Saunders.....		London.....		5731	John Scandrett.....	80·20	1·20	5·6	13·30	Fair butter, slightly rancid; contains an excess of water.
do	18...	do	.....	do	.....	5732	John Moule.....	88·30	·60	3·1	8·	Genuine butter of excellent quality.
do	18...	do	.....	do	.....	5733	H. A. Duggan	85·30	1·1	2 9	10·7	do good quality.
do	18...	do	.....	do	.....	5734	D. Dodd & Co.....	85·89	1·30	4·60	8·30	Genuine butter of good quality.
do	18...	do	.....	do	.....	5735	J. W. Trebilcock.....	81·00	·80	4·7	13·5	A fair quality of genuine butter, but contains too much water.
do	18...	do	.....	do	.....	5736	Munroe & Wilson.....	81·4	1·6	4·3	12·7	A genuine butter of good quality, but contains too much water.
Dec.	30...	do	.....	do	.....	5749	Fitzgerald, Scandrett & Co.....	82 66	·60	6·29	10·45	Genuine butter of fair quality; contains an excess of salt.
do	30...	do	.....	do	.....	5750	Elliott Bros.....	91·90	·52	1 99	5 59	Genuine butter of good quality.
do	30 ..	do	.....	do	.....	5751	A. M. Smith.....	85·48	·58	2·08	11·86	do fair quality.
do	30...	do	.....	do	.....	5752	F. W. Blackwell	84·51	·48	5·24	9·77	Genuine butter of fair quality.
do	30...	do	.....	do	.....	5753	William Moore.....	82·06	1·46	2 56	13·92	do but of poor quality; rancid and contains an excess of water.
				do	.....	5754	J. B. Smith	84·67	·72	2 65	11·96	do of good quality.
do	30...	do	.....									
do	30...	do	.....	do	.....	5755	J. Somerville.....	88·43	·72	3·46	7·39	do of good quality.
do	30...	do	.....	do	.....	5756	Alex. Tytler.....	88·45	·79	5·94	4·82	do do
	1883.											
May.	26...		.....	do	.....	7101	G. Shuff.....	87·93	2·65	4·63	4.79	Slightly rancid; pure butter of fair quality.

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

BUTTER—*Concluded.*

Date.	Name of Analyst	Division.	No. of Ana st's Report.	Vendor.	Results of Analysis.				Remarks by the Analyst.
					Butter Fat.	Caseine.	Salt.	Water.	
1882.					p. c.	p. c.	p. c.	p. c.	
do 28...	W. Saunders....	London.....	7102	G. Deacon.....	86·03	2 52	4·24	7·21	The fat consists of about ⅔ butter fat and ⅓ tallow; rancid, with a strong odour and flavor of tallow.
do 28...	do	do	7103	J. Burton.....	87·20	2·82	5·00	4·98	Fresh and sweet; pure butter of good quality.
do 28...	do	do	7104	J. Watson.....	86·40	3·32	6·16	4·12	Pure butter of medium quality; rancid, and containing a large proportion of salt.
do 28...	do	do	7105	J. W. Trebilcock	84·47	2·75	6·23	6·55	Pure butter of good quality; contains an excess of salt.
do 28...	do	do	7106	Fitzgerald Scandrett & Co	85·34	3·57	3·47	7·62	do do
do 28...	do	do	7107	John Scandrett.....	84·11	2·63	4 22	9 04	do sweet and fresh.
do 28...	do	do	7108	J Southcott.....	80 55	1·59	2·83	15·03	Butter of fair quality; slightly rancid, but contains a large excess of water.
do 28...	do	do	7109	H. Branton.....	89 18	1·55	1·71	7·56	Pure butter of excellent quality.
do 28...	do	do	7110	J. W. Deacon & Co.....	88·42	1·80	3·88	5·90	do good quality.

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CANNED FRUIT AND VEGETABLES.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
Feb. 8...	W. H. Ellis.....	Toronto.....	5993	P. Macdonald	Peas, contains traces of tin and iron.
do 8...	do	do	5994	J. E. Kingsbury	Apples do do a small quantity of iron.
do 8...	do	do	5995	C. Severs & Sons	Gooseberries, contains traces of tin and iron.
do 8...	do	do	5996	J. A. Earl.....	Peaches do do
do 8...	do	do	5997	Mrs. Clegg	Pine-apple do do
do 8...	do	do	5998	George Scott	Rhubarb do do
do 8...	do	do	5999	Mills Bros	Corn do do
June 5...	do	do	6773	Toronto Tea Co.....	Plums, of good quality.
do 5...	do	do	6774	H. Lindsay	Peaches do traces of tin.
do 5...	do	do	6775	Smith Bros.	Strawberries do do
do 5...	do	do	6776	T Clarkson	Apples do do
do 5...	do	do	6777	W. J. Louden	Corn do
do 5...	do	do	6778	H. Lindsay	Tomatoes do
do 5...	do	do	6779	M. Allen.....	Peas do
do 5...	do	do	6780	R. Donald.....	Beans do traces of tin.
1882.					
Nov. 30...	J. B. Edwards ...	Montreal	6104	Albert Perry.....	Tomatoes, unadulterated, and in excellent condition.
do 30...	do ...	do	6105	do	Green peas, good quality ; no metallic impregnations.
do 30...	do ...	do ...	6106	John Robertson.....	Beans, genuine and of excellent quality ; no metallic impregnations.
do 30...	do ...	do	6107	M. P. Laverty	Pine-apple, genuine and of good flavor.
do 30...	do ...	do	6108	Dufresne & Mongenais	Peaches, of excellent quality and flavor; no metallic impregnations.
do 30...	do ...	do	6109	do ...	Pears, of fine quality, but requiring extra cooking; fruit unripe; no metallic impurity.
do 30...	do ...	do	6110	do ...	Indian corn, good quality, but requires well cooking; contains no metallic impurity.
1883.					
April 20...	do ...	do	6840	Paul Legarde.....	Peaches, in good condition, and free from metallic impurities.
do 20...	do ...	do	6841	J. B Linguère.....	Pine-apple, good quality do do
do 20...	do ...	do	6842	Mathieu et frères.....	Peaches, in good condition do do
do 20 ..	do ...	do	6843	D. Hatton & Co	Pears, of good quality do do
do 20...	do ...	do	6844	J. B. Linguère	Green peas, of good quality do do
do 20...	do ...	do	6845	do	Tomatoes do do do

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

CANNED FRUIT AND VEGETABLES—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883					
April 20...	J. B. Edwards...	Montreal	6846	D. Hatton & Co	Green peas in good condition, and free from metallic impurities.
do 20...	do ...	do	6847	Mathieu et frères	Indian corn do do do
1882.					
Oct. 30...	M. Fiset.....	Quebec.....	5592	Dubeau & Prevost	Strawberry jam, pure.
Nov. 30...	do	do	6321	do	Peaches do
do 30...	do	do	6322	do	Tomatoes do
Dec. 28...	do	do	6343	Blumhart & Riverin	Plums do
do 28...	do	do	6344	do	Gooseberries do
1883.					
April 26...	do	do	6394	do	Pickles do
do 26...	do	do	6395	do ..	do do
do 30...	do	do	6398	A. Drolet.....	Raspberries do
do 30...	do	do	6399	E. Venner.....	Preserved fruit. do
May 10...	do	do	7306	Turcotte & Prevost.....	Strawberries do
do 10...	do	do	7307	A. Drolet	Gooseberries, excellent.
1882.					
Aug. 12...	M. Bowman.....	Halifax	5355	Lordly & Stimpson.....	Pine-apple, very good; free from metallic impurity.
do 12...	do	do	5356	Hessian & Devine.	do excellent; free from adulteration.
do 12...	do	do	5357	do	Egg plums, in good order; contains iron; no copper.
Nov. 20...	do	do	6027	do	Pine-apple do no injurious metallic impurity; unadulterated.
do 20...	do	do	6028	do	Peas do no metallic impurity; unadulterated.
do 20...	do	do	6029	C. & W. Anderson.....	Pickled onions, in excellent order; unadulterated.
do 20...	do	do	6030	R. Urquhart & Son.....	do chow-chow do do
do 20...	do	do	6031	do	Tomatoes do do
do 20...	do	do	6032	Phil. Hire	Green-gages, of superior quality do
do 20...	do	do	6033	do	Peaches, largely contaminated with iron.
1883.					
April 3..	do	do	6660	Lordly & Stimpson.....	Strawberry jam, contains no metallic impurity beyond a trace of iron; good quality.
do 3...	do	do	6661	W. D. Harrington	Marmalade, contains a trace of iron; is of good quality.

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	do 3...	do	do	6662	C. & W. Anderson.....	Peaches do do	some of the fruit unripe; unadulterated.
	do 3...	do	do	6663	do	Peas do do	is free from other metals do
	do 3...	do	do	6664	do	Corn do do	unadulterated.
	do 3...	do	do	6665	do	Tomatoes do do	do
	Oct. 26...	W. F. Best.....	St. John.....	5663	Puddington & Merritt.	Tomatoes, contents of can, fresh and fit for food.	
	do 20...	do	do	5664	W. A. Porter.....	do fresh and fit for food; no trace of lead salts in solution.	
	do 20...	do	do	5665	Puddington & Merritt.	Peaches, the acid of the fruit has acted on the lead and tin of the can, contents thus rendered unfit for food.	
	do 20...	do	do	5666	W. A. Porter.....	do traces of lead salts in solution	
	Dec. 16...	do	do	6411	William Martin.....	Corn, free from metallic salts; pure.	
	do 16...	do	do	6412	A. Stewart.....	do no trace of lead or tin salts; pure.	
	do 16...	do	do	6413	William Martin.....	Pine apple, fermented and contaminated with traces of lead, tin and iron salts; adulterated.	
	do 16...	do	do	6414	A. Stewart.....	do inferior fruit, hard and unfit for food; traces of tin in solution.	
	do 16...	do	do	6421	C. S. Macgregor.....	Strawberries, unfit for food fermented and contents of can have partially escaped; lead and tin in solution.	
	do 16...	do	do	6422	do	Peas, in good order, no trace of lead or tin; not adulterated.	
	1883						
	March 16...	do	do	6440	Wm. Kennedy	do not adulterated, the fruit fresh, can contains more than 1 oz. of loose solder.	
	do 16...	do	do	6441	Jardine & Co.....	do not adulterated, the fruit fresh; no trace of metallic salts in solution.	
	do 16...	do	do	6443	Geo. S. DeForest.....	Tomatoes, not adulterated; no trace of metallic salts in solution.	
	do 16...	do	do	6444	Joseph Fineley.....	do do do	
	do 16...	do	do	6445	Anthony Cain.....	do do do	
	April 7...	do	do	6478	W. A. Porter	Corn, fresh and fit for food.	
	do 7...	do	do	6479	P. Trueman.....	do do	
	do 7...	do	do	6481	Puddington & Merritt.	Pears, fresh and in good condition.	
	do 7...	do	do	6482	P. Trueman.....	Peaches, traces of lead and tin in solution; acid of fruit has acted on the metals of can, not fit for food.	
	1882						
	Oct. 20...	W. Saunders.....	London	5705	D. Dodd & Co.....	Pears, the fruit, fresh and well preserved; no traces of metallic or other impurities.	
	do 20...	do	do	5706	Ferguson Bros.....	do the fruit, fresh and well preserved; traces of iron and faint traces of lead and tin, doubtless derived from the tin can and solder.	
	do 20...	do	do	5707	Fitzgerald, Scandrett & Co.....	Peaches, the fruit in good state of preservation; decided traces of iron and faint traces of tin, doubtless derived from the tin can and solder.	
	do 20...	do	do	5708	William Mills.....	Blackberries, fruit discoloured but of good flavour; decided traces of iron, doubtless derived from the tin can.	
	1883						
	April 24...	do	do	5780	Alymer Canning Co..	Marrowfat peas, contains marrowfat peas in good state of preservation, giving slight traces of lead, also traces of tin, derived doubtless from the tin can and solder; gravimetric analysis shows that each one pound can contains about one and a half grains of metallic lead.	
	do 24...	do	do	5781	do ...	Plums, fruit in good condition, fresh and sweet, with decided traces of iron and tin, but no lead; the metals no doubt derived from the tin can in which the fruit was contained; gravimetric analysis shows that each one pound can contains about one grain of metallic tin.	
	do 24...	do	do	5782	Delhi Canning Co.....	Sugar corn, the corn in good condition, fresh and sweet; strong traces of iron and decided traces of tin, derived, no doubt, from the tin can in which it was contained; no other metallic impurity.	

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CANNED FRUIT AND VEGETABLES—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
April 24...	W. Saunders.....	London	5783	Delhi Canning Co.....	String beans, contains the vegetable in a good condition, fresh and sweet, with traces of iron, faint traces of lead and decided traces of tin, derived doubtless from the tin can and solder.
do 24...	do	do	5784	Oberndorf & Going....	Peaches, the fruit in a very good state of preservation, with decided traces of tin and iron but no lead; the metals were doubtless derived from the tin can in which the fruit was contained. An analysis of the solder shows that it contains no lead
May 5...	do	oo	5793	Delhi Canning Co.....	Peas, in good condition, fresh and sweet, with slight traces of lead; no other metallic impurity. The trace of lead has, no doubt, been derived from the solder used in closing the can.
do 5...	do	do	3794	do	String beans, in good condition, fresh and sweet, with faint traces of tin; no other metallic impurity. The trace of tin was, no doubt, derived from the tin can.
do 5...	do	do	5795	Henry Snyder & Co....	Tomatoes, in good state of preservation with a slight trace of tin, doubtless derived from the tin can.
do 5...	do	do	5796	Delhi Canning Co.....	Apples, contains strong traces of iron, decided traces of tin; no other metallic impurity. The fruit was in good condition, sweet and fresh. The traces of iron and tin present were, doubtless, derived from the tin can.

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COCOA.

Date.	Name of Analyst.	Division.	No of Analyst's Report.	Vendor.	Results of Analysis.				Manufacturer.	Remarks by the Analyst.
					Cocoa.	Sugar, &c.	Corn Starch.	Ash.		
1882.					p c.	p c.	p. c.	p. c.		
Dec. 16	W. H. Ellis....	Toronto...	5972	Geo. Alexander.....	40	30	30	....	J W. Lang.....	
do 16	do ...	do ..	5973	W. Mulligan.....	40	30	30	....	Todhunter & Mitchell	
do 16	do ...	do ...	5974	C. Grasmeller	60	30	10	....	do ...	
do 16	do ...	do ...	5975	C Ruse.....	.....	.....	.....	.....	Cadbury's	Contains cocoa from which a portion of the fat has been removed.
do 16	do ...	do ...	5976	F. Britton	60	25	.....	.....	Todhunter.....	Contains 15 p. c. of arrowroot and corn starch.
do 16	do ...	do ...	5979	J. Brown.....	40	40	20	....	P. Black	
Oct. 28	J. B Edwards.	Montreal..	5854	E. Elliott.	60	.....	.....	... .	Fry's homœpathic....	Unadulterated.
do 28	do ...	do ...	5855	Cadbury Bros.....	100	.. ..	.....	.....	Cadbury's essence....	Pure cocoa extract.
do 28	do ...	do ...	5856	Bernard Campbell....	80	....	....	.....	Rountree's Venezuela cocoa.....	Unadulterated and of fine quality.
do 28	do ...	do ...	5857	A. Shannon.....	70	30	.....	4	Riotelli & Co	do but mixed; butter partially removed.
Nov. 9	do ...	do ...	5879	Dufresne & Mongenais	70	.....	.....	26	Mott's chocolate	Unadulterated and not sweetened; sold as cocoa.
do 9	do ...	do ...	5880	do ...	50	.....	.....	12	Lafont do	Well sweetened chocolate; sold as cocoa.
Oct. 27	M. Fiset	Quebec	5585	Dubeau & Prevost....	.....	.....	.....	.....	....	Chocolate and not cocoa,; a good preparation.
Nov. 8	do	do ...	5599	do ...	.....	.....	.....	.....	....	Prepared cocoa, consisting of starch, sugar and cocoa; pure.
do 8	do	do ...	5600	do ...	.....	....	.....	.....	Cadbury's cocoa	Pure.
do 30	do	do ...	6317	do ...	.....	.....	.....	... .	do	Chocolate and not cocoa.
							Arrow-root			
do 20	M. Bowman ...	Halifax....	6021	Michael Murphy	57	25	18	....	Epps' cocoa.....	Unadulterated.
do 20	do ...	do ...	6022	Phil. Hire.	55	25	20	.....	do	do
do 20	do ...	do ...	6023	W. D. Harrington....	60	25	15	.....	do	do
do 20	do ...	do ...	6024	C. Graham & Co.....	55	25	20	.....	do	do
do 20	do ...	do ...	6025	J. P. Mott.....	65	20	15	.....	Mott's prepared cocoa	do
do 20	do ...	do ...	6026	Ed. Donohoe.....	50	25	25	.....	do broma.....	do

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

COCOA—*Concluded.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.				Manufacturer.	Remarks by the Analyst.
					Cocoa	Sugar, &c.	Corn Starch.	Ash.		
1882.					p. c.	p. c.	p. c.	p. c.		
							Starch			
Oct. 20	W. F. Best.....	St. John...	5651	Puddington & Merritt	50	20	30	.....	Epps' cocoa	Unadulterated.
do 20	do ...	do ...	5652	W. A. Porter	70	8	22	.....	Mott's cocoa.....	do
Nov. 10	do ...	do ...	6402	C. A. Clark.....	....	.....	.....	.....	do	Contains 35 to 40 p. c. of foreign matter.
do 10	do ...	do ...	6403	W. A. Magee	.....	.....	.....	.....	do	Contains about 40 p. c. of starch.
Dec. 16	do ...	do ...	6419	C. A. Clark	.....	.....	.....	.....	do	do from 30 to 35 p. c. of starch and sugar.
do 16	do ...	do ...	6420	Taylor & Dockrill....	.....	.....	.....	.....	Cadbury's cocoa.....	Contains from 20 to 25 p. c. of starch and sugar.
1883.										
June 24	W. Saunders..	London...	7129	Elliott Bros	35	38	27	1·84	Fry's do	
do 24	do ...	do ...	7130	do	45	13·06	41·94	1·68	Epps' do	
do 24	do ...	do ...	7131	J. B. Smith.....	62	22	16	1·50	Podhunter & Mitchell	
do 24	do ...	do ...	7132	do	55	13	22	2·2	Taylor's chocolate...	Moisture, 10 p. c.

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COCOANUT—(Dessicated).

Date.	Name of Analyst.	Division.	No of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
June 30...	W. H. Ellis.	Toronto... ..	7477	J Shields & Co.....	Maltby's Cocoanut.—Consists of cocoanut mixed with a little corn starch and sugar.
do 30...	do	do	7478	Mrs. A. Bilton	do A mixture consisting of dried cocoanut mixed with a little corn starch and sugar.
do 30...	do	do	7479	J. Good & Co.....	Schepp's.—A mixture consisting of dried cocoanut mixed with a little corn starch and sugar.
do 30...	do	do	7480	J. Lumsden	Jaff's.—A mixture consisting of dried cocoanut mixed with a little corn starch and sugar, and adulterated with more than 15 per cent. of gypsum (terra alba).
do 30...	do	de	7481	H. Lindsay	Schepp's —A mixture consisting of dried cocoanut mixed with a little corn starch and sugar.
do 30...	do	do	7482	J. Berwick & Co.....	do do do do
do 30...	dc	do	7483	Jaffray & Ryan.....	do do do do
do 30...	do	do	7484	E. Lawson	A mixture consisting of dried cocoanut mixed with a little glycerine and paraffine. The paraffine and glycerine are said, by the manufacturer, to be added for the purpose of preserving the cocoanut.
do 30...	do	do	7485	J. W. Lang & Co.	Dunham's.—A mixture consisting of dried cocoanut mixed with glycerine and paraffine.
do 30...	do	do	7486	A. F. Barker	do do do do
do 30...	do	do	7487	R. M. Carrie	Dunham's —Unadulterated, consisting of dried cocoanut.
do 30...	do	do	7488	J. Cleghorn	A mixture consisting of dried cocoanut mixed with a little sugar and corn starch.

COFFEE.

1882.					
Dec. 29...	W. H. Ellis... ..	Toronto.....	5978	George Alexander.	Consists of coffee mixed with more than 50 per cent. of chicory.
do 29...	do	do	5979	W. M. Milligan..	do do about 25 per cent. do
do 29...	do	do	5980	Mrs. Shea.	do do about 50 per cent. do
do 29...	do	do	5981	J. Butcher.....	do between 40 to 50 per cent. of chicory.
do 29...	do	do	5982	J. I. Grant.....	do pure coffee.
do 29...	do	do	5983	O. Ruse	do coffee mixed with at least 25 per cent. of chicory.
do 29...	do	do	5984	W. A. Eastman.....	do do between 40 and 50 per cent. of chicory.

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COFFEE—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
June 13...	W. H, Ellis	Toronto.....	6781	E. Thompson	Contains about 25 per cent of coffee.
do 13...	do	do	6782	J. E. Kingsbury.....	Unadulterated.
do 13...	do	do	6783	Jaffray & Ryan	do
do 13...	do	do	6784	Brazilian Coffee Store.	do
do 13...	do	do	6785	Central Co-operative Association	do
do 13...	do	do	6786	W. Martin.....	do
do 13...	do	do	6787	H. Seaton.....	Contains from 45 to 50 per cent. of chicory.
do 13...	do	do	6788	Geo. Downard	do a small quantity do
do 13...	do	do	6789	G. Henderson	do about 50 per cent. do
do 13...	do	do	6790	Toronto Co-operative Society	Unadulterated.
1882.					
Oct. 23...	J. B. Edwards ...	Montreal.....	5860	E. Elliott	Ash 3·8. Adulterated with roasted chicory, pea meal and cereals to the extent of 30 per cent.
do 28...	do ...	do	5861	M. P. Laverty.....	do 4·0. Adulterated with chicory, roasted pea and corn to the extent of 30 per cent. and upwards.
do 28...	do ...	do	5863	James Lowe & Co.....	do 5·0. Adulterated with chicory, corn and peas about 20 per cent.
do 28...	do ...	do	5864	David Crawford.....	do 5·8. Good coffee, with a small percentage of chicory.
Nov. 9...	do ...	do	5881	Stroud Bros.....	do 2·8. Adulterated with chicory, roasted corn and peas.
do 9...	do ...	do	5882	Renaud Frères	do 2·4. do and roasted corn.
do 9...	do ...	do	5883	Albert Perry.....	do 3·4. Sold as coffee mixture, containing chicory, but not in excess; not adulterated.
1883.					
Mar. 15...	do ...	do	6187	Stroud Bros.....	do 3·6. Largely adulterated with chicory and roasted cereals.
do 17...	do ...	do	6188	do	do 4·0. Adulterated with about 10 per cent. of chicory. (Sold as genuine, marked best ground coffee.)
do 20...	do ...	do	6189	W. T. McCulloch.....	do 4·6. Genuine coffee and of good flavour; mixed berries, a little over-roasted.
do 20...	do ...	do	6190	do	do 3·2. do of good strength and flavour; mixed berries.
do 20...	do ...	do	6191	do	do 5·6. do superior aroma and flavour.

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do	20...	J. B. Edwards...	Montreal	6191	W. T. McCulloch.....	do	5·00			Genuine Coffee, dark coloured and over roasted, but of good quality and strong flavour.
May	28...	do ...	do	6870	Thomas Bisette.....	do	4·2.			Adulterated with mixed corn, and of poor quality.
do	28...	do ...	do	6871	J. E. Manning	do	5 0.			do chicory and roasted corn.
do	28...	do ...	do	6872	Paul Legarde.....	do	4·6.			do do do
do	28...	do ...	do	6873	Camille Lippe.....	do	4·0.			do do do
	1882.									
								Moisture.		
Oct.	31...	M. Fiset.....	Quebec.....	5593	J. B. Rousseau.....	do	4·10.	2·75.		Pure.
do	31...	do	do	5594	do	do	4·10.	5·80.		Adulterated with starch and chicory.
Nov.	30...	do	do	6318	Dubeau & Prevost	do	4·80.	4·60.		Pure.
do	30...	do	do	6319	do	do	4·50.	5·30.		Adulterated with starch.
do	30...	do	do	6320	do	do	4·50.	3·80.		Pure.
	1883.									
March	21...	do	do	6357	do	do	4·40.	4·10.		Good.
do	21...	do	do	6358	do	do	5·00.	4·30.		do
April	5...	do	do	6375	J. B. Ruosseau.....	do	3·90.	5·70.		Adulterated with a little starch.
do	19...	do	do	6383	F. Parent.....	do	3·10.	9·50.		do starch, chicory, stalks and impurities.
do	19...	do	do	6384	A. Parent	do	4·20.	7·00.		do do and peas.
do	30...	do	do	6300	E. Venner.	do	5·40.	6·50.		Doubtful.
do	30...	do	do	7301	J. A. Morissette.....	do	5·00.	4·80.		Adulterated with roasted bread.
do	30...	do	do	7303	Frs. Bédard.	do	4·00.	5·00.		do do
do	30...	do	do	7313	J. E. Venner.....	do	5·40.	6·50.		Doubtful.
	1882.									
Nov.	8...	M. Bowman	Halifax.....	6014	Mrs B. Walsh	Adulterated; consisting chiefly of beans and chicory.				
do	8...	do	do	6015	Michael Murphy.....	do with a large percentage of beans and chicory.				
do	8...	do	do	6016	Ed. Donahoe.....	do do do do				
do	8...	do	do	6017	W. D. Harrington.....	Specific gravity of extract 1008·41. Unadulterated.				
do	8...	do	do	6018	J. P. Mott.....	do do 1011·96. Adulterated with 20 p.c. of chicory.				
do	8...	do	do	6019	C. Graham & Co.....	do do 1010·85. do 12½ do				
do	8...	do	do	6020	Phil. Hire	do do 1009·55. do a small percentage of chicory.				
	1883.									
March	28...	do	do	6648	Lordly & Stimpson.....	Adulterated with a small percentage of chicory.				
do	28...	do	do	6649	Henry Oldham	do about 50 p.c. of chicory.				
do	28...	do	do	6650	R. D. Kennedy.....	do a small percentage of chicory.				
do	28...	do	do	6651	James Doyle	do chicory and roasted beans.				
do	28...	do	do	6652	Edward Donahoe.....	Largely composed of beans and chicory.				
do	28...	do	do	6653	C. & W. Anderson	Pure.				
do	28...	do	do	6654	W. H. Schwartz & Son.	Adulterated with chicory and roasted grain. (Marked adulterated.)				
do	28...	do	do	6655	do	Pure. (Marked pure.)				

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

COFFEE—*Concluded.*

Date.	Name of Analyst.	Division.	No of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.			
1882.								
Oct. 20...	W F Best.....	St. John.....	5653	Puddington & Merritt.	Not adulterated.			
do 20...	do	do	5654	W. A Porter.	do			
do 20...	do	do	5671	A. Emery & Co.....	do			
do 20...	do	do	5672	J. S Armstrong & Son	do			
Dec. 16...	do	do	6417	A. Stewart.....	do			
do 16...	do	do	6418	Wm. Martin	do			
1883.								
March 16...	do	do	6435	C. A Clark	do	but of inferior strength.		
do 16...	do	do	64 6	Weldon Bros	do			
do 16...	do	do	64 7	Geo S. DeForest.....	do			
April 7...	do	do	6475	W. A. Porter	do			
do 7...	do	do	6476	C. Trueman	do			
May 14...	do	do	6498	John Cohallan.....	do			
do 14...	do	do	6499	Stephens & Figgures ...	do			
do 14...	do	do	6500	James Morrow.....	do			
do 14...	do	do	7201	W. A. Porter.	do			
1882.					Ash.	Specific Gravity of 10 p.c. decoction.		
Nov. 3...	W. Saunders.....	London	5715	A. M. Smith.....	4·08	1009·	Contains nothing but pure ground coffee.	
do 3...	do	do	5716	Fitzgerald, Scandrett & Co	3·75	1011·	do	do do
do 3...	do	do	5717	Ferguson Bros.	4·23	1010·80	do	do do
do 3...	do	do	5718	Toronto Tea Co.	3 88	1017·	Contains about 20 p c of chicory with 80 p.c. of coffee, sold as coffee mixed with chicory.	
do 3...								
do 3...	do	do	5719	D Dodd & Co	4·01	1009·70	Contains nothing but pure ground coffee.	
1883.	do	do	5720	Elliott Bros.	4·60	1010·90	do	do do
April 23...	do	do	5775	D. Dodd	4·07	1010·20	Contains nothing but pure ground coffee.	

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do 23...	do	do	5776	J. W. Trebilcock.....	4·05	1010·10	do	do	do	
do 23...	do	do	5777	J. Moule..... ...	3·09	1009·90	do	do	do	
do 23...	do	do	5778	Somerville & Connor...	4·02	1010·15	do	do	do	
do 23...	do	do	5779	Ferguson Bros	3·06	1009·50	do	do	do	
June 26...	do	do	7123	T. McDonough.....	4·48	1015·20	Coffee mixed with about one-third its weight of chicory.			
do 26...	do	do	7124	Fitzgerald & Scandrett	4·20	1009·00	Contains nothing but pure ground coffee.			
do 26...	do	do	7135	J. Martin	4·16	1009·50	do	do	do	
do 26...	do	do	7136	J. Burton.	4·30	1009·00	do	do	do	
do 26...	do	do	7137	J. B Smith.....	3·60	1008·80	do	do	do	
do 26...	do	do	7138	John Scandrett	4·30	1008·50	do	do	do	

CONDIMENTS AND SPICES (ALLSPICE.)

1883.					
Mar. 20...	W. H. Ellis.....	Toronto	6706	A. Nelson.....	Adulterated with more than 50 p.c. of peas.
May 14...	do	do	7445	Jaffrey & Ryan.....	Unadulterated.
1882.					
Oct. 23...	J. B. Edwards...	Montreal. ...	5858	M. P. Laverty	Adulterated with roasted Indian corn and millings, about 25 p.c., ash 6 p.c.
do 23...	do ...	do	5859	James L we & Co	do 30 p.c. of millings and roasted corn, ash 5·5 p.c.
Nov. 3...	do ...	do	5866	D. Crawford.....	Ash, 2·8. Genuine.
do 3...	do ...	do	5867	A. Shannon	do 6.0. Adulterated with mineral dust and mustard husks.
Oct. 26 ..	M. Fis-t.....	Quebec.	5583	Dubeau & Prevost	Pure.
do 26...	do	do	5584	Blumhart & Riverin.....	Adulterated with a little starch.
1883.					
May 10..	do	do	7309	J. Jobin	Adulterated with starch and chicory; moisture 8·00, ash 5·40
do 10...	do	do	7311	E. Parent.....	Pure; moisture 10·00, ash 4·30
do 10...	do	do	7312	A. Parent.....	Adulterated with starch and pepper; moisture 8·00, ash 3·60
1882.					
Dec. 16...	M. Bowman	Halifax.....	6062	D. C. McLeod.....	Genuine.
do 16...	do	do	6063	Lordly & Stimpson.....	do
Nov. 10...	W. F. Best.....	St. John.....	5698	C. A. Clark.....	Not adulterated.
do 10...	do	do	5699	W. A. Magee	do
1883.					
June 28...	W. Saunders.....	London.....	7144	McBean Bros.....	Contains about 40 p.c. of an adulterant composed of farinaceous substances.
do 28...	do	do	7145	W. H. Duggan.....	do 20 do do do

CASSIA.

1883.					
Mar. 20...	W. H. Ellis.....	Toronto	6714	W. Robertson.....	Adulterated with wheat flour.
1882.					
Dec. 16 ...	M. Bowman.....	Halifax.....	6061	J. D. Leahy & Co.....	do wheat starch.

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CLOVES.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
Mar. 20...	W. H Ellis.....	Toronto	6710	Toronto Co-operat. Co.	Adulterated with over 50 p.c. of peas.
do 20...	do	do	6711	W. Perry	do do
do 20...	do	do	6715	D. Beatty.....	do do and wheat flour.
do 20...	do	do	6716	T. H. George	do between 15 and 20 p.c. of do
do 20...	do	do	6717	R. Barron.....	do about 50 p.c. of peas.
do 20...	do	do	6720	J. Forster	Largely adulterated with wheat flour.
May 14...	do	do	7414	T. H. Noble.....	Adulterated with about 25 to 30 p.c. of peas.
1882.					
Nov. 8...	J. B. Edwards...	Montreal.. ...	5872	Eli Hetter.....	Ash 1·2. Exhausted cloves; adulterated with pimento, pea meal and millings.
do 8...	do ...	do	5873	E. Roberts	do 6·8. Largely adulterated with woody fibre, pea meal and millings.
Aug. 17...	M. Bowman.....	Halifax.....	5380	Lordly & Stimpson.....	No adulteration.
Dec. 11...	do	do	6058	Firmin Gastonguay....	Genuine.
1883.					
June 28...	W. Saunders.....	London	7148	Sommerville & O'Connor.....	Ash 5·98. Pure ground cloves.
do 28...	do	do	7149	D. Dodd.....	do 5·76. do do

CINNAMON.

1883.					
Mar. 20...	W. H. Ellis	Toronto.....	6709	W. Martin.....	Adulterated with pea flour and cassia.
May 14...	do	do	7416	H. Seaton.....	Consists of a mixture of cassia and peas.

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1882.					
Nov. 8...	J. B. Edwards....	Montreal.....	5874	Napoleon Collins.....	Ash 1·2. Contains no cinnamon; contains common cassia, adulterated with flour and millings.
do 8...	do ...	do	5875	Eli Hotter.....	do 3·2. Contains no cinnamon; composed of ground cassia, largely adulterated with flour and millings.
do 2...	M. Fiset.....	Quebec.....	5590	Arthur Drolet.....	Pure.
do 2...	do	do	5591	J. E. Venner.....	Mixed with a little starch.
Dec. 11...	M. Bowman.....	Halifax.....	6059	F. Gastonguay.....	Cassia instead of cinnamon and adulterated with wheat starch.
do 11...	do	do	6060	Lordly & Stimpson.....	Adulterated with wheat starch.
1883.					
April 23...	do	do	6686	A. A. Woodill.....	Consists of cassia, adulterated.
do 23...	do	do	6687	Wm. Lowe	do do
1882.					
Oct. 26...	W. F. Best.....	St. John	5677	A. Emery & Co.....	Not adulterated.
do 26...	do	do	5678	J. S. Armstrong & Bros.	do
1883.					
June 28...	W. Saunders.....	London	7141	J. P. Duggan.....	Contains about one-half powdered cassia, the other half an adulterant composed of farinaceous substances; ash 3·70.
do 28...	do	do	7142	J. W. Trebilcock	Contains about 60 p.c. of ground cassia with about 40 p.c. of an adulterant consisting of farinaceous substances.
do 28...	do	do	7143	McBean Bros.....	Contains about 80 p.c. of powdered cassia with about 20 p.c. of an adulterant composed of farinaceous substances.

GINGER.

1883.					
Mar. 20...	W. H. Ellis.....	Toronto	6707	W. Parkhill	Adulterated with wheat flour and turmeric.
May 14...	do	do	7448	J. E. Kingsbury.....	Consists of ginger, mixed with pepper.
1882.					
Nov. 9...	J. B. Edwards ...	Montreal.....	5876	Napoleon Collins... ...	Ash, 4·8. Largely adulterated with wheat flour.
do 9...	do ...	do	5877	Ernest Robert.....	do 8·8. Adulterated with wheat flour, fibre and mineral dust.
do 9...	do ...	do	5878	Eli Hotter.....	do 2·0. do largely with wheat flour.
Dec. 14...	M. Fiset	Quebec.....	6330	Dubeau & Prevost.....	do 3·50. Moisture, 10 80 p. c; adulterated with starch.
do 14...	do	do	6331	F. Parent.....	do 2·80. do 8·30 p. c.; do flour and colored with turmeric.

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GINGER—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
April 12...	M. Fiset.....	Quebec.....	6379	Frs. Prevost	Ash, 2·80. Adulterated with starch and colored with turmeric ; a bad preparation.
do 12..	do	do	6380	Alex. Labrecque.....	do 2·75. do do do
do 12...	do	do	6381	Magl. Larivée.....	do 2·60. do do do
1882.					
Aug. 15...	M. Bowman.....	Halifax	5367	W. H. Schwartz & Son	Genuine ground ginger.
do 15...	do	do	5368	do ...	do
do 15...	do	do	5369	John O'Brien.....	Ground ginger, adulterated with flour and husks.
do 15...	do	do	5370	John Hogan.....	do do
Dec. 19...	do	do	6072	James Doyle.....	do unadulterated, and of good quality.
do 19...	do	do	6073	Martin A. Reddy.....	do do
Oct. 20...	W. F. Best.....	St. John	5655	Puddington & Merritt.	Not adulterated.
do 20...	do	do	5656	W. A Porter	do
Nov. 10...	do	do ...	5692	George Robertson.....	Adulterated with 30 p. c. of Indian corn.
do 10...	do	do	5693	W. A. Magee..	do 20 to 25 p. c. of Indian corn.
1881.					
June 28...	W. Saunders.....	London	7150	G. Roundtree.....	Contains about 25 p. c. of farinaceous adulterant.
do 28...	do	do	7151	A. M. Smith.....	do no adulteration.

MACE.

1883.					
Mar. 20...	W. H. Ellis.	Toronto	6708	Toronto Co-operative Co....	Unadulterated.
May 14...	do	do	7449	Central Co-operative Co.....	do

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1882.					
Aug. 17...	M. Bowman.....	Halifax.....	5379	Lordly & Stimpson.....	do
Dec. 16...	do	do	6064	James Scott & Co.....	Genuine.
do 16...	do	do	6065	Lordly & Stimpson.....	do
1883.					
April 23...	do	do	6688	J. H. Margeson.....	do
do 23...	do	do	6689	John Bent.....	do
1882.					
Oct. 20...	W. F. Best	St. John.....	5657	Puddington & Merritt.	Pure and unadulterated.
do 20...	do	do	5658	W. A. Porter.....	do do
1883.					
June 28...	W. Saunders.....	London.....	7152	J. Dodd & Son.....	Ash, 7·6. Contains about one-third of farinaceous adulterant.

MUSTARD.

1883.					
Mar. 20...	W. H. Ellis.....	Toronto	6718	F. F. Appleton.....	Adulterated with wheat flour.
May 14...	do	do	7447	Toronto Co-operative Co.....	A mixture of ground mustard, with wheat flour and turmeric.
April 9...	J. B. Edwards...	Montreal.....	6815	John Hutchison.....	Ash, 5·0 Genuine flour of mustard, with no aduteration and of superior quality and strength.
do 9...	do ...	do	6816	Dufresne & Mongenais.	Ash, 4·0 A mixed condiment containing wheat and corn flour, and labelled "Mustard compound," not adulterated.
do 9...	do ...	do	6817	James Lowe & Co.....	Ash, 3·0 Largely adulterated with wheat flour and other cereals, and colored with turmeric.
1882.					
Nov. 23...	M. Fiset.....	Quebec.....	6314	Charles McGibbon	Adulterated with starch.
do 23...	do	do	6315	H. Marchand	do do
1883.					
May 10...	do	do	7308	J. Jobin.....	Adulterated with starch and colored with turmeric.
do 15..	do	do	7310	C. Parent.	Ash, 2·0 Adulterated with starch.
1882.					
Dec. 19...	M. Bowman.....	Halifax.....	6074	Henry N. Oldham.....	Adulterated with turmeric and about 50 p. c. of wheat flour.
do 19...	do	do	6075	Martin A. Reddy.....	do do
do 19...	do	do	6076	James Doyle.....	do 30 do

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MUSTARD—*Concluded.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
April 23...	M. Bowman.....	Halifax.....	6684	M. J. Marley.....	Labeled a compound mustard; contains about 20 p. c. flour; unadulterated.
do 23...	do	do	6685	John Leahy.....	Adulterated with about 25 p. c. of flour.
1882.					
Nov. 10...	W. F. Best.....	St. John.....	5690	Geo. Robertson.....	do 40 to 45 p. c. of starch.
do 10...	do	do	5691	C. A. Clark.....	do about 40 do
1883.					
Mar. 16...	do	do	6452	Anthony Cain.....	do 35 p. c. of flour.
Mar. 16...	do	do	6453	G. S. De Forrest.....	Adulterated with 20 to 25 per cent of flour.
do 16...	do	do	6454	Weldon Bros	Contains 40 per cent. of flour, and 5 per cent of mustard husks. Adulterated.
June 28...	W. Saunders.....	London	7139	McBean Bros.....	Consists of about one-third flour of mustard; remainder consists of powdered clay and sulphate of lime, mixed with farinaceous matter. Ash, 18·04, consisting chiefly of oxide of alumina and sulphate of lime; proportion of fixed oil, 10 p.c.
do 28...	do	do	7140	T. Treblecock	About two thirds flour of mustard; the remainder farinaceous matter, coloured with turmeric; ash, 4·96; proportion of fixed oil, 19·5 per cent.

NUTMEG.

1883.					
Mar. 20...	W. H. Ellis.	Toronto.....	6719	Jaffray & Ryan.....	Unadulterated.
1882.					
Aug. 17...	M. Bowman	Halifax.....	5378	Lordly & Stimpson	do

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1883.						
*Mar. 20...	W. H. Ellis.....	Toronto	6712	A. Murphy.		Adulterated with over 20 per cent. of wheat flour.
do 20...	do	do	6713	H Kelly.		Unadulterated.
May 14...	do	do	7443	E. Thompson		Adulterated with about 20 per cent. of flour.
do 14...	do	do	7450	W. Martin.....		Unadulterated.
1882.						
Nov. 6...	J. B. Edwards ...	Montreal. ...	5868	Napoleon Collins.	Ash, 1·5.	Adulterated with flour and millings.
do 6...	do ..	do	5869	do	do 8·5.	Adulterated with pea meal, millings and dust.
do 6...	do ...	do	5870	Ernest Robert	do 1·0.	Adulterated largely with wheat and pea flour and millings.
do 6...	do ...	do	5871	do	do 1·0.	Largely adulterated with wheat flour, pea meal and gypsum.
1883.						
April 9...	do ...	do	6812	G. A. Perry.	do 1·0.	Ground pepper adulterated with about 10 per cent. of rice flour and Indian corn.
do 9...	do ...	do	6813	do	do 3·0.	Adulterated about 10 per cent with farina and millings.
do 9...	do ...	do	6814	do	do 5·0.	Genuine ground chillies.
do 12...	do ...	do	6825	Dufresene & Mongenais	do 4·0.	Adulterated with 20 per cent. of wheat flour and millings.
do 12...	do ...	do	6826	A. Robitaille & Co.....	do 3·0.	Adulterated, 20 to 30 per cent., with pea meal, corn flour and millings.
do 12...	do ...	do	6827	John Hutchison.....	do 3·5.	Adulterated about 20 per cent. with wheat flour and millings.
do 12...	do ...	do	6828	Mathew frère.	do 13·5.	Adulterated with about 15 per cent. of wheat flour and 10 per cent. of sand.
1882.						
Dec. 7...	M. Fiset.....	Quebec.	6327	Arthur Turcotte		Pure white pepper.
do 7...	do	do	6328	do		Black pepper, adulterated with a little starch.
Aug. 12...	M. Bowman.....	Halifax	5363	James Scott & Co.....		Ash, 5·40. Genuine cayenne.
do 12...	do	do	5364	do		do do
do 12...	do	do	5365	do		Excellent quality ; unadulterated.
do 12...	do	do	5366	do		do do
Dec. 19...	do	do	6066	James Doyle.....		Unadulterated.
do 19...	do	do	6066	Martin O'Reddy		Adulterated with sand and about 10 per cent of wheat flour.
1883.						
April 23...	do	do	6682	J. C. Calnen.....		Black pepper, adulterated with about 25 per cent. of flour.
do 23...	do	do	6683	Brown & Webb.		Cayenne, unadulterated.
Mar. 16...	W. F Best.....	St. John.	6455	King Bros		Contains 20 per cent. of buckwheat flour ; adulterated.
do 16...	do	do	6456	Weldon Bros.		do 20 to 25 per cent, do do

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PEPPER—*Concluded.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
do 16...	W. F. Best.....	St. John.....	6457	G. S. DeForest.....	Contains 10 per cent. of foreign starch. Adulterated.
do 16...	do	do	6473	B. McCrossin.	do 40 to 45 per cent. of turmeric powder do
do 16...	do	do	6474	Puddington & Merritt.	do 30 per cent of foreign materials, chiefly turmeric and meal; adulterated.
June 28...	W. Saunders. ...	London	7146	A. M. Smith	Ash, 8·4. Alcoholic extract, 7·1. Unadulterated.
do 28...	do	do	7147	Elliott Bros	do 6 98 do 8·0 do

DRUGS.

1883.						
April 21...	W. H. Ellis.....	Toronto	6740	W. Haldentry.....	red acacia.	Unadulterated.
do 21...	do	do	6741	S. Nelson Erbe.....	do	do
do 21...	do	do	6742	E. M. Bould	do	do
do 21...	do	do	6743	H. Sherries.....	do	do
Jan. 30 ...	M. Bowman.....	Halifax.....	6621	A. A. Woodill.....	do	do
do 30...	do	do	6622	T. Walsh.....	do	do
do 30...	do	do	6623	Brown Bros.....	do	do
do 30...	do	do	6624	J. G. Smith.....	do	do
Mar. 30...	W H. Ellis.....	Toronto	6725	A. J. Rose.....	Bi-carbonate of soda.	do
do 30...	do	do	6726	W. S. Robinson.....	do	do
do 30...	do	do	6727	W. Haldenby.....	do	do
do 30...	do	do	6728	J. Davids & Co	do	do
1882.						
Dec. 7 ...	J. B. Edwards ...	Montreal	6123	J. A. Harte.....	do	Genuine.
do 7 ...	do ...	do	6124	John Gardner.....	do	do
do 7 ...	do ...	do	6125	J. D. L. Ambrose.....	do	do
do 7 ...	do ...	do	6126	R. Birks	do	do

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	1883.						
Jan.	30...	M. Bowman.....	Halifax.....	6633	A. A. Woodill.....	do	Largely adulterated with un-decomposed carbonate.
do	30...	do	do	6634	T. W. Walsh.....	do	do do do
do	30...	do	do	6635	Brown Bros.....	do	Unadulterated.
do	30...	do	do	6636	J. G. Smith.....	do	do
April	2...	W. H. Ellis.	Toronto.....	6729	C. W. Howard.....	Cream of tartar.	do
do	2...	do	do	6730	J. Davids & Co	do	do
do	2...	do	do	6731	S. Nelson.....	do	do
	1882.						
Dec.	7...	J. B. Edwards ...	Montreal	6127	J. Goulden	do	Genuine.
do	7...	do ...	do	6128	Henry R. Gray	do	do
do	7...	do ...	do	6129	Lavoilette & Nelson....	do	do
	1883.						
Jan.	30...	M. Bowman.....	Halifax.....	6637	A. A. Woodill.....	do	Adulterated with calcium tartrate.
do	30...	do	do	6638	T. W. Walsh.....	do	do do
do	30...	do	do	6639	Brown Bros.....	do	do do
March	16..	W. F. Best.....	St. John	6442	Wm. Kennedy	do	Not adulterated.
April	7...	do	do	6467	W. A. Porter	do	Contains 35 per cent. of potassium sulphate. Adulterated.
do	7...	do	do	6468	B. McCrossen.....	do	Pure and unadulterated.
do	7...	do	do	6469	Morrell & Merritt	do	Contains 30 per cent. of do do
do	11...	do	do	6487	Jardine & Co	do	do 40 do do do do
do	16...	W. H. Ellis.....	Toronto	6736	E. Hooper & Co.....	Bromide of potassium.	Unadulterated.
do	16...	do	do	6737	G. Hodgeth.....	do	do
do	16...	do	do	6738	H. Miller & Co	do	do
do	16...	do	do	6739	J. Ogden	do	do
	1882.						
Dec.	16...	J. B. Edwards ...	Montreal	6143	J. Goulden	do	(Imported). Pure and genuine.
do	16...	do ...	do	6144	H. R. Grey.....	do	Adulterated with potassic iodide in manufacture.
do	4...	do ...	do	6145	J. D. L. Ambrosse	do	Pure and unadulterated.
do	4...	do ...	do	6146	J. A. Harte.....	do	do
	1883.						
Jan.	30...	M. Bowman.....	Halifax.....	6629	A. A. Woodill.....	do	Unadulterated.
do	30...	do	do	6630	T. W. Walsh.....	do	do
do	30...	do	do	6631	Brown Bros.....	do	do
do	30...	do	do	6632	J. G. Smith.....	do	do
Mar.	30...	W. H. Ellis.....	Toronto	6721	N. C. Lowe.....	Iodide of potassium	do
do	30...	do	do	6722	A. B. Eddie.....	do	do
do	30...	do	do	6723	R. A. Wood	do	do
do	30...	do	do	6724	H. Miller & Co.....	do	do
Dec.	14...	J. B. Edwards...	Montreal	6138	J. Goulden.....	do	do Traces of potassic carbonate.
do	14...	do ...	do	6139	J. A. Harte...	do	do do bromide.
do	14...	do ...	do	6140	H. R. Gray.....	do	do and pure.
do	14...	do ...	do	6142	J. D. L. Ambrosse	do	do Traces of potassic iodate.

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DRUGS—*Concluded.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Anaylsis and Remarks by the Analyst.		
1883.							
Jan. 30...	M. Bowman.....	Halifax.....	6625	A. A. Woodill.....	Iodide of potassinm.	Unadulterated.	Contains traces of iodide and chloride.
do 30...	do	do	6626	T. W. Walsh.....	do	do	do do
do 30...	do	do	6627	Brown Bros.....	do	do	Contains a trace of chloride.
do 30...	do	do	6628	J. G. Smith.....	do	do	do
Mar. 21...	W. H. Ellis.....	Toronto	7493	J. C. Lumsden.....	Sulphate of morphia.	do	
do 21...	do	do	7494	H. Miller & Co.....	do	do	
do 21...	do	do	7495	R. A. Wood.....	Acetate of morphia.	do	
do 21...	do	do	7496	J. H. Barrass.....	Sulphate of morphia	do	
1882.							
Dec 4...	J. B. Edwards...	Montreal	6116	John Gardner.....	do	do	
do 4...	do ...	do	6118	John Lewis.....	do	do	
do 4...	do ...	do	6120	Laviolette & Nelson....	do	do	
do 4...	do ...	do	6122	Picault et Cie.....	do	do	
1883.							
Jan. 30...	M. Bowman.....	Halifax.....	6613	A. A. Woodill.....	Hydrochlorate of morphia	do	
do 30...	do	do	6614	T. W. Walsh.....	do	do	
do 30...	do	do	6615	Brown Bros.....	do	do	
do 30...	do	do	6616	J. G. Smith.....	do	do	
April 24...	W. H. Ellis.....	Toronto.....	6744	A. Harvard.....	Powdered rhubarb	do	
do 24...	do	do	6745	J. R. Lee.....	do	do	
do 24...	do	do	6746	Shapter & Jeffrey	do	do	
do 24...	do	do	6747	R. M. Dickson.....	do	Consists probably of French rhubarb; percentage of starch very large; ash very small.	
1882.							
Dec. 18...	J. B. Edwards...	Montreal	6147	John Gardner.....	do	Unadulterated.	
do 18...	do ...	do	6148	John Lewis.....	do	do	
do 18...	do ...	do	6149	Picault & Co.....	do	Genuine and of good quality.	

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18...	do ...	do	6150	Laviolette & Nelson....	do	Unadulterated.	
1883.							
April 30...	M. Bowman.....	Halifax.....	6617	A. A. Woodill.....	do	Adulteration doubtful.	
do 30...	do	do	6618	T. W. Walsh.....	do	Adulterated with gamboge.	
do 30...	do	do	6619	Brown Bros.....	do	Adulteration doubtful.	
do 30...	do	do	6620	J. G Smith	do	do	
May 21...	W. H. Ellis.....	Toronto.....	6759	H. Sherries.	Sulphate of quinine.	Unadulterated.	
do 21...	do	do	6760	H. Miller & Co..	do	do	
do 21...	do	do	6761	A. Metcalfe.	do	do	
do 21...	do	do	6762	E. J. Fisher	do	do	
1882.							
Dec. 4...	J. B. Edwards...	Montreal	6115	John Gardner.....	do	Genuine disulphate of quinine.	
do 4...	do ...	do	6117	John Lewis.....	do	do	
do 6...	do ...	do	6119	Laviolette & Nelson....	do	Pure disulphate of quinine.	
do 6...	do ...	do	6121	Picault & Co.....	do	Fair commercial quinine, containing a trace of sulphate conchonine.	
1883.							
Feb. 1...	do	do	6,177	John Gardner.	Citrate of Iron and Quinine marked British Pharmacopeia. Genuine and of full strength, containing 8 p.c. of quinine.		
do 1...	do	do	6,178	John Lewis.....	Marked Howard's. Genuine and of full strength, containing 8 p.c. of quina.		
do 1...	do	do	6,179	Laviolette & Nelson....	Unadulterated, but of low quality, being deficient in quinine, containing 2 p.c. of quina instead of 8 p.c.		
do 1...	do	do	6,180	Picault & Co.....	Marked commercial. Deficient in quinine, containing only 2 p.c. of quinine instead of p8.c.		
Jan. 30...	M. Bowman.....	Halifax.....	6609	A. A. Woodill.....	Sulphate of quinine.	Contains 82 per cent. of quinine.	Unadulterated.
do 30...	do	do	6610	T. W. Walsh	do	80 do	do
do 30...	do	do	6611	Brown Bros.....	do	84 do	do
do 30...	do	do	6612	J. G. Smith.....	do	83 do	do

LARD.

1883.					
May 3...	W. H. Ellis.....	Toronto	7508	D. Gunn & Co.....	Unadulterated.
do 3...	do	do	7509	W. Ryan.....	do
do 3...	do	do	7510	G. Kavanagh.....	do
do 3...	do	do	7511	Toronto Tea Co.....	do
do 3...	do	do	7512	J. Good & Co	do
do 3...	do	do	7513	McCormack Bros.....	do

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APPENDIX C.—INSPECTION OF FOOD AND MILK.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Butter Fat.	Casein.
					p. cent.	p. cent.
1882.						
Oct. 31...	W. H. Ellis.....	Toronto.....	5944	W. Mills.....	2·9	5·2
Nov. 6...	do	do	5953	J. Dunn	3·66	4·89
do 22...	do	do	5956	J. Watson	3·41	5·70
do 22...	do	do	5957	A. Caskie.....	3·7	4·6
do 28...	do	do	5960	John Gibb	3·31	4·6
do 28...	do	do	5961	W. Pickard.....	3·41	4·20
Dec. 6...	do	do	5964	Patrick O. Donahoe.....	2·5	5·1
do 6...	do	do	5965	Patrick Gaynor	3·38	4·6
do 6...	do	do	5966	Mrs. Petter.....	3·30	3·04
do 14...	do	do	5969	Farmers' Dairy Co	3·8	4·4
1883.						
June 13...	do	do	6791	A. Raddock.....	3·35	4·30
do 13...	do	do	6792	R. Playter.....	4·44	4·21
do 13...	do	do	6793	T. Hogarth	3·28	4·20
do 13...	do	do	6794	A. Reed...	3·60	3·97
do 13...	do	do	6795	G. W. Oakley.....	3·80	4·36
do 18...	do	do	7401	Dominion Dairy Co.	3·57	4·47
do 18...	do	do	7402	C. Magnuson.....	4·03	2·54
do 18...	do	do	7403	J. W. Hurd.....	3·21	3·98
do 18...	do	do	7404	R. Byrnes.....	3·23	3·11
do 18...	do	do	7405	Mrs. Jennie Powell.....	3·86	4·26
do 25...	do	do	7421	J. Gowans.....	3·44	3·90
do 25...	do	do	7422	R. Davis.....	4·29	3·83
do 25...	do	do	7423	Mrs. M. Bourke.....	3·09	3·06
do 25...	do	do	7424	J. Cooper.....	3·13	4·12
do 25...	do	do	7425	T. McCormick.....	3·2	*8·7
do 25...	do	do	7426	H. Hills.....	3·64	3·66
do 25...	do	do	7427	T. Ward	3·21	4·02
do 25...	do	do	7428	J. Endean.....	4·02	3·62
do 25...	do	do	7429	J. Cooper.....	3·44	3·94
do 25...	do	do	7430	P. J. Doyle	3·09	3·37
1882.						
Oct. 25...	J. B. Edwards...	Montreal.....	5848	John Day.....	3·2	4·2
do 25...	do ..	do	5849	Robert McDonald.....	2·0	4·2
Nov. 1...	do ...	do	5864	Raphael Johnson	3·0	4·5
do 1...	do ...	do	5865	Hugh McDonald.....	2·5	3·8
do 6...	do ...	do	5884	James Dooley	3·2	4·8
do 6...	do ...	do	5885	Henry Hadley	3·3	4·9
do 13...	do ...	do	5886	William Clayton	4·0	4·6
do 13...	do ...	do	5887	James Muir	3·3	4·6
Dec. 11...	do ...	do	6136	H T. Evans.....	3·3	4·8
do 11...	do ...	do	6137	John Bremner.....	2·9	4·7
1883.						
Mar. 10...	do ...	do	6181	Joseph Grew.....	4·0	4·7
do 10...	do ...	do	6182	W. B. Dickson	3·2	4·4
do 10...	do ...	do	6183	James Low & Co.	3·2	4·6
do 10...	do ...	do	6184	William Reynolds.....	2·1	5·1

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DRUGS—Tabulated Statement, &c.—*Continued.*

[Results of Analysis.

Sugar and Salts.	Ash.	Total.		Cream.	Remarks by the Analyst.
		Solids.	Water.		
p. cent.	p. cent.	p. cent.	p cent.	p. cent.	
3 0	·6	11·70	88·30	9·	Poor milk.
4·38	·7	13·24	86·76	12·	Unadulterated.
3·69	·6	13·40	86·60	11·	do
4·27	·6	13·17	86 83	10·	do
6·04	·7	14·65	85·35	9·	do
4·24	·73	12·58	87·42	8·5	do
4·1	·5	12 20	87·80	10·	Poor in fat.
4·02	·71	12 71	87 29	8·	Unadulterated.
3·30	·50	10·14	89 86	10·	Watered.
4·23	·73	13·16	86·84	8·	Unadulterated.
4·16	·74	12 55	87·45	8·	do
3·95	·70	13·30	86 70	11·	do
3·82	·75	12·05	87·95	10·	do
4·23	·73	12 53	87·47	8·	do
4·42	·71	13·29	86·71	9·	do
3·96	·70	12·70	87·30	10·	do
4·17	·61	11·35	88 65	15·	This milk was sour when analysed, and seems to have been watered, although the percentage of fat is high.
4·92	·72	12·83	87·17	9·	Unadulterated.
3·77	·60	10·71	89 29	7·	Watered.
4·32	·73	13·17	86 83	12·	Unadulterated.
4·52	·77	12·63	87·37	10·	do
4·68	·75	13·55	86 45	9·	do
4·95	·71	11·81	88·19	9·	do
4·22	·70	12·17	87 83	10·	do
	·70	12 60	87·40	9·5	do *Owing to an accident the sugar and caseine could not be determined separately.
4·84	·81	12 95	87 05	6·	Unadulterated.
4·37	·77	12·37	87·63	7·	do
4·29	·78	12·01	87·99	8·	do
4 70	·75	12·83	87·17	8·	do
5·30	·70	12·46	87·54	6·	do
4·6	·7	12·7	87·3	10·	Genuine.
4·3	·6	11·1	88·9	6·	Adulterated with 10 per cent. of water and coloured with annatto.
4·8	·7	13 0	87·0	9·	Genuine milk.
4·2	·6	11·1	88·9	6·5	Skimmed and watered.
4·4	·7	13·1	86·9	10·	Genuine.
4·3	·7	13 2	86·8	10·5	do
4·8	·7	14·1	85·9	12·0	Good milk.
4·8	·7	13·4	86·6	10·	Genuine.
4·5	·7	13·3	86·7	10·	Fair milk.
4·6	·7	12·9	87·1	9·	Genuine.
4·2	·8	13·7	86·3	12·	do
4·4	·7	12 7	87·3	10·	do
4·2	·7	12·9	87·1	9·5	do
4·7	·8	12·7	87·3	6·	Adulterated by removal of cream.

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APPENDIX C.—INSPECTION OF FOOD AND MILK—

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Butter Fat.	Caseine.
1883.					p. cent.	p. cent.
Apr. 7...	J. B. Edwards ...	Montreal.. ...	6808	Benjamin Norris	3·4	5·6
do 7...	do ...	do	6809	Desiré & Decarie.....	3 0	4·8
do 7...	do ...	do	6810	Hy. T. Evans.....	3·3	4·7
do 7...	do ...	do	6811	James Greney	2·0	4·0
do 13...	do ...	do	6829	Thomas Coughty.....	9·2	3·4
do 13...	do ...	do	6830	Fred. Normandie.....	4·0	4·6
do 13...	do ...	do	6831	James McMichael	11·3	4·1
do 16...	do ...	do	6858	Paul Renaud	3·8	4·3
do 16...	do ...	do	6859	Leo Laders	2·5	4·5
do 16...	do ...	do	6860	Andrews Purcel.....	3 4	4·7
do 16...	do ...	do	6861	A. Moineau...	2·3	5·1
do 16...	do ...	do	6862	A. Papineau	3·0	4·5
May 2...	do ...	do	6863	John Day.....	2·3	4·6
do 2...	do ...	do	6864	John Bennett	1·5	5·1
do 2...	do ...	do	6865	Luc Prudent	1·5	5·1
do 2...	do ...	do	6866	Patrick Reed	2·0	4·4
1882.						
Oct. 26...	M. Fiset.....	Quebec.....	5579	M. Bédard	3·30	7·02
do 26...	do	do	5580	Veuve Julien	4·20	6·90
Nov. 8...	do	do	5595	Isidore Verret.....	1·40	3·70
do 8...	do	do	5596	Frs. Beaulieu	·40	7·20
do 23...	do	do	6310	Antoine Bisson	4·20	5·00
do 23...	do	do	6311	A. M. Caron	3·30	6·80
Dec. 7...	do	do	6323	M. Renaud	2·69	7·00
do 7...	do	do	6324	M. Blouin	2·76	7·30
1883.						
Mar. 16...	do	do	6349	A. Claret	4·26	7·69
do 16...	do	do	6350	Mr. Galarneau	·30	7 00
do 21...	do	do	6360	Jos. Savard	2·60	8·20
do 21...	do	do	6361	D. Cantin	1·00	7·50
do 28...	do	do	6364	Michael Kelly.....	2 90	4·70
do 28...	do	do	6365	Louis Ruel.....	1·90	8 00
April 5...	do	do	6371	Jean Langlois	3·30	5·40
do 5...	do	do	6372	Frs. Rochon	2·20	2·50
do 12...	do	do	6376	Cyrille Samson	2·90	4 00
do 12...	do	do	6377	Ed. Samson	2·78	4 90
do 19...	do	do	6386	A. Govin	3·40	5·10
do 19...	do	do	6387	O. Blouin	4·40	5·54
1882.						
Aug. 12...	M. Bowman	Halifax.....	5358	Mrs. Butler	2·45	4·89
do 12...	do	do	5359	Mrs. Debay	1·26	3·06
do 12...	do	do	5360	Mr. Innis	3·05	3·63
do 15...	do	do	5371	Mrs. Coldstring	3·35	5·15
do 15...	do	do	5372	Dillon Bros.....	2·67	3·98
do 15...	do	do	5373	John Hogan.....	3·56	3·62
do 23...	do	do	5395	Mrs. Keef.....	2·87	4·30
do 23...	do	do	5396	Mrs. Mary O'Connor.....	5·92	4·78
do 23...	do	do	5397	James McDonald	4·22	4·79
Nov. 20...	do	do	6034	Mrs. Johanna Shey	2·60	5·32
do 20...	do	do	6035	William Shey	1·99	3·84

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DRUGS.—Tabulated Statement, &c.—*Continued.*

Continued.

Results of Analysis.					Remarks by the Analyst.
Sugar and Salts.	Ash.	Total.		Cream.	
		Solids.	Water.		
p. cent.	p. cent.	p. cent.	p. cent	p. cent.	
5·1	·7	14·8	85·2	11·	Genuine and rich milk.
4·7	·7	13·2	86·8	9·	Genuine.
5 0	·8	13 8	86·2	10·	Good milk.
4·3	·6	10·9	89·1	6·	Adulterated by salt and water from 10 to 15 per cent.
3·8	·5	16·9	83·1	27·6	Excess of cream.
4 3	·7	13·6	86 4	12·	Good milk.
4·2	·6	20·2	79·8	23·	Excess of cream; badly sampled.
5·5	·6	14·7	85·3	13·	Good milk.
4·1	·7	11·8	88·2	7·	Adulterated by removal of cream.
4·8	·7	13 6	86·4	11·	Good milk.
4·5	·7	12·6	87·4	6·	Deficient in cream.
4·6	·7	12 8	87 2	9·	Genuine.
4·7	·7	12·3	87·7	6·	Deficient in cream.
5·4	·7	12·7	87·3	4·	Skimmed.
4·8	·7	12·1	87·9	5·	Adulterated by removal of cream.
5·3	·7	12 4	87·6	6·	Deficient in cream; adulteration doubtful.
3·78	·40	14·50	85·50	8·	Good.
2·30	·80	14·20	85·80	14·	Very good.
5 00	·50	10·60	89·40	5·	Inferior; probably water has been added.
2·60	·80	11·00	89·00	3·	Skimmed.
4·26	·20	13·60	86·40	7·	Pure.
4·80	·40	15·30	84·70	7·	do
3·10	·50	13·10	86·90	15·	do
3·10	·80	13·96	86·04	9·	do
1·10	·75	13·80	86·20	9·	do
2·70	·60	10 60	89·40	2·50	Skimmed, and probably diluted with water.
2·60	·60	14·00	86·00	6·50	Good; cream scarce.
2·40	·60	11·50	88·50	3·00	Skimmed; poor.
2·50	·50	10·60	89·40	9 00	Pretty good.
1·40	·60	11 90	88·10	5·00	Inferior.
4 40	·40	13·50	86·50	17·09	Very good.
3·20	·30	8·20	91 80	7 00	Doubtful; probably diluted with water.
5·30	·40	12·60	87·40	5 00	Good, but weak in cream.
4·90	·50	13·08	86·92	9·00	Good quality.
4 30	·40	13·20	86·80	8·	Good.
4·36	·50	14·80	85 20	11·	Very good.
4·05	·70	12·09	87 91	7·	Unadulterated.
2 66	·56	7 54	92·46	3·	Watered.
4·11	·82	11·61	88·39	10·	Doubtful.
3·85	·78	13·13	86 87	11·	Good.
4·83	·95	12·38	87·62	9·	Unadulterated.
5·37	·83	13·38	86·62	11·75	Good.
4·08	·77	12·02	87·98	9·	Unadulterated.
4·22	·8	15·72	84·28	18·	Good; unadulterated.
3·86	·86	13 73	86·27	12·	do do
4·37	·71	13·00	87·00	8·	Unadulterated.
4·86	·73	11·42	88·58	6·	Skimmed; adulterated.

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APPENDIX C.—INSPECTION OF FOOD AND MILK.—

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Butter Fat.	Caseine.
1882.					p. cent.	p. cent.
Nov. 20...	M. Bowman	Halifax.....	6036	Mary Dunlay	3·61	5·08
do 20...	do	do	6043	John Cline	3·89	4·75
do 20...	do	do	6044	Alexander Bond	3 33	4·37
Dec. 13...	do	do	6054	Mrs. Walsh	4·87	3·76
do 13...	do	do	6055	Mrs. Butler	2 07	4·10
do 22...	do	do	6068	Henry N. Oldham	4·16	2·92
do 22 ..	do	do	6069	Mrs. H. A. Quinn	3·20	3·47
do 22...	do	do	6085	W. H. H. Jackson.....	3·33	3·74
1883.						
Mar. 24...	do	do	6614	Mrs. Butler	2·85	4·47
do 24...	do	do	6645	Alex. Innis	3·08	3·38
do 31...	do	do	6636	Miss Wise.....	1 84	3·45
do 31...	do	do	6657	Mrs. Keef.....	2·05	3 14
April 9 ..	do	do	6666	Mrs. B. Bowler	2·13	4·04
do 9...	do	do	6667	W. S. Sturnmey.....	2·41	3·16
do 18...	do	do	6678	Mary Dunlay	2·36	3 21
do 18...	do	do	6679	Mrs J. Shea.....	2·93	4·37
do 25...	do	do	6690	Mrs. B. Welsh.....	3 40	2·85
do 25...	do	do	6691	Mrs. Mary Shea	2·30	3·10
do 29...	do	do	7020	Alexander Bond	2·59	3·60
do 29...	do	do	7021	John Finegan.....	4·09	5·01
1882.						
Oct. 20...	W. F. Best.....	St John.....	5669	Chas. A. Clark	2·50	6·25
do 20...	do	do	5670	King Bros.....	2·00	6·50
do 26...	do	do	5675	John Carney.....	1·80	5·00
do 26...	do	do	5676	William Grayam	1·75	3·50
Nov. 10...	do	do	5686	E. V. Hunt.....	2·75	4·75
do 10...	do	do	5687	D. H. Graham.....	2 50	3·75
Dec. 16...	do	do	6405	S. F. McLeod.....	·75	3·50
do 16...	do	do	6406	J. W. Graham.....	2·00	3 50
1883.						
Jan. 22...	do	do	6427	J. S. Armstrong & Bros.....	2·75	4·50
do 22...	do	do	6428	L. Nelson.....	2·50	5·50
Mar. 16...	do	do	6458	E. N. Vanwart.....	2·60	4·00
do 16...	do	do	6459	King Bros.....	2 50	5 50
do 16...	do	do	6460	C. A. Clark	1·25	3 50
April 11...	do	do	6489	J. P. Mahoney.....	2 00	5 00
do 11...	do	do	6490	W. A. Magee.....	1·25	3 50
do 11...	do	do	6191	King Bros.....	3·20	3·80
May 14...	do	do	6492	William Cruthers.....	3·00	2·50
do 14...	do	do	6493	C. McCarthy.....	4·00	4·20
do 14...	do	do	6494	Thomas Barratt.....	4·30	4·60
do 28 .	do	do	7214	John Carney.....	3·75	3·80
do 28...	do	do	7215	E. V. Hunt.....	3 50	4·00
do 28...	do	do	7216	Samuel Tufts.....	4·50	3·50
1882.						
Oct. 21...	W. Saunders.....	London	5709	William Phenin.....	3·70	4·20
do 21...	do	do	5710	Edward Walker.....	3·00	4·70

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DRUGS.—Tabulated Statement, &c.—*Continued.*

Continued.

Results of Analysis.					Remarks by the Analyst.
Sugar and Salts.	Ash.	Total.		Cream.	
		Solids.	Water.		
p. cent.	p. cent.	p. cent.	p. cent.	p. cent.	
4·49	·66	13·79	86·21	10·8	Good.
4·55	·87	14·06	85·94	12·	Genuine.
5·07	·76	13 53	86·47	10·	do
5·45	·62	14·70	85·30	9 80	Rich.
5·12	·65	11·94	88·06	9·87	Deficient in cream.
3·54	·55	11·17	88·83	13·	Watered.
4·97	·68	12·32	87·68	10·	Unadulterated.
5·47	·72	13·26	86·74	11·	do good.
5·30	·69	13·31·	86·69	9·	do
5·34	·67	17·47	82·53	24·	Contains an excess of cream; unadulterated.
5·65	·73	11·67	88·33	5·50	Adulterated; deficient in cream.
5·71	·65	11·55	88·45	6·	do do
6 08	·64	12·89	87 11	6·5	Watering doubtful.
6·07	·65	12·29	87·71	7·0	Unadulterated.
5·61	·72	11·90	88·10	7·	do
5·87	·78	13·95	86·05	9·	do very good.
6·03	·71	12·99	87·01	10·	Good.
5·75	·68	11·83	88·17	7·	Unadulterated.
5·76	·78	12·73	87·27	8·	do
4·32	·86	14·19	85·81	12·	Good.
3·25	·50	12·50	87·50	5·	Deficient in cream.
3·00	·60	12·10	87·90	4·75	do
5·75	·80	13·35	86 65	5·50	do
4·50	·60	10·35	89 65	5·75	do
4·25	·75	12·70	87·30	9·10	Not adulterated.
5·25	·75	12·25	87·75	9·00	do
3·00	·50	10·00	90·00	3·75	Deficient in cream; adulterated.
5·00	·55	11·05	88·95	5·25	do and water added; adulterated.
4 50	·45	12·20	87·80	8·50	Fair quality; not adulterated.
4·50	·55	13·05	86·95	8·25	do do
5·80	·40	12·80	87·20	8·00	do do
2·20	·35	13·55	86·45	8·25	do do
6·00	·50	11·25	88 75	4·50	Deficient in cream.
3·70	·70	12·00	88·00	5·00	Fair.
5·00	·80	10·55	89·45	3·50	Skimmed.
1·00	·40	8·40	91·60	4·75	Too much water.
4·30	·60	10·40	89·60	9·50	Unadulterated.
4·50	·70	13·40	86·60	13·	do
4 60	·60	14·10	85·90	13·	do
4·00	·60	12·15	87·85	10·	do
4·00	·70	12·20	87·80	11·	do
5 10	·70	13·80	86·20	13·	do
5·30	·60	13·80	86·20	14·8	Of good quality and unadulterated.
4·10	·70	12·50	87·50	12·1	Of fair do do

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APPENDIX C.—INSPECTION OF FOOD AND

MILK

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Butter Fat.	Casiena.
1882.					p. cent.	p. cent.
Dec. 21...	W. Saunders.....	London	5711	William Dyer.....	3·30	2·90
do 23...	do	do	5712	Stephen Berryhill.....	3·32	4·40
do 23...	do	do	5713	Edward Tanton.....	3·74	5·30
do 23...	do	do	5714	Samuel Cooper.....	3·52	5·00
do 30...	do	do	5741	Mr. Wilkinson.....	3·72	4·12
do 30...	do	do	5742	Samuel Cooper.....	3 12	3·90
do 30...	do	do	5743	Henry Smith.....	3·88	3·60
do 30...	do	do	5744	Joseph Gilbert...	3·32	4·40
do 30...	do	do	5745	George Allan.....	3·90	4·55
do 30...	do	do	5746	Robert Crosbie.....	3·60	4·43
do 30...	do	do	5747	Wm. McLaughlin...	3·80	3·65
do 30...	do	do	5748	Alfred Inglis.....	4·56	4·90
1883.						
May 28...	do	do	7111	S. Cooper.....	3·30	4·63
do 28...	do	do	7112	Alfred Inglis.....	3·70	5·49
do 28...	do	do	7113	William Dyer	3·70	5·00
do 28...	do	do	7114	Joseph Gilbert.....	3·20	3·35
do 28...	do	do	7115	Job Cox.....	3·10	4·29
do 28...	do	do	7116	James Perkins.....	3·50	5·06
do 28...	do	do	7117	Richard Mills.....	4·10	5·63
do 28...	do	do	7118	William Squires.....	3·30	5·26
do 28...	do	do	7119	W. Watson.....	3·40	3·43
do 28...	do	do	7120	Richard Wakling.....	3 30	3 07
Dec. 20....	J. B. Edwards...	Montreal.....	6151	Lymans, Sons & Co.....	3·6	8·2
do 20....	do ...	do	6152	Fish & Ireland.....	0·0	0·0
do 20....	do .	do	6153	Lymans, Sons & Co.....	7·4	15·6
do 20....	do ...	do	6154	Thomas Leeming	8·50	10·50

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DRUGS—Tabulated Statement, &c.—*Continued.*

—*Continued.*

Results of Analysis.					
Containing in 100 parts.				Butter Fat expressed in its equivalent as Cream.	Remarks by the Analyst.
Sugar and Salts.	Ash.	Total.			
		Solids.	Water.		
p. cent.	p. cent.	p. cent.	p. cent.	p. cent.	
4·10	·40	10·70	89·30	13·	This has been a good rich milk but is evidently watered to the extent of 15 to 20 per cent.
6·2	·58	14 5	85·50	13·2	Pure and of good quality.
3·42	·54	12·90	87·10	14·8	do do
4·57	·61	14·30	85·70	14·	do do
5·40	·76	14·00	86·00	11·5	do do
4·99	·74	12·75	87·25	9·3	Proportion of cream suspiciously low.
4·78	·64	12·90	87·10	11·40	Unadulterated and of good quality.
4·73	·75	13·20	86·80	9·85	Genuine but not rich.
3·70	·60	12·75	87·25	11·5	Unadulterated and of good quality.
3·41	·66	12·10	87·90	10·6	do but not rich.
2·38	·62	10·45	89·55	11·20	The low specific gravity and small amount of total solids, coupled with the relatively large percentage of cream, indicates that this was a rich milk probably watered to the extent of 10 per cent.
3·94	·80	14 20	85·80	13·5	Pure and rich.
4·08	·60	12·06	87·94	10·	Pure and of fair quality.
4·65	·75	13·75	86·25	11·	Pure.
3·82	·62	12·52	87·48	10·5	do
3·46	·46	10·01	89 99	9·	Unadulterated but of poor quality; proportion of cream suspiciously low.
3·81	·61	11·20	88·80	8·80	do do do
4·20	·64	12·76	87·24	10·50	Pure and of good quality.
3·77	·57	13·55	86·45	12·50	Pure and rich.
5·56	·64	14·12	85·88	10·50	Pure.
5·48	·74	12·36	87·64	10·25	do
4·83	·60	11·20	88·80	9·80	do
4·6	12·	17 6	82·4	12·	Baravena Milk Food, manufactured by Fish & Ireland, Lachute. A well prepared milk diet, equal in nutriment to good cow's milk in which 77 parts of water are replaced by 77 parts of baked farinaceous matter.
0·0	0·0	0·0	0·0	0·0	1 sample of milk biscuit used in preparation of the milk food, a pure compound of 28 per cent. of milk solids and 72 per cent of baked flour, equal to milk of double strength.
12·8	1·4	37·2	4·	24·	Farina, 58·8; Nestle's Milk Food. A well prepared food in which 58 parts of water are replaced by 58 parts of baked cereal farina, and of twice the nutritive power of good cow's milk.
64·50	2·1	35·6	14·4	30·	Cane Sugar, 50·0; Condensed Milk, Swiss. A genuine preparation, in which about 50 parts of water are replaced by 50 parts of cane sugar.

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POTTED MEATS AND FISH.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1883.					
June 5...	W. H. Ellis.....	Toronto.....	6763	Mrs. A. Bilton.....	Canned tongue, of good quality.
do 5...	do	do	6764	J. Berwick & Co.....	Chicken and ham do
do 5...	do	do	6765	R. S. Gallagher.....	Roast duck do contains a trace of tin.
do 5...	do	do	6766	J. Cleghorn	Canned beef do
do 5...	do	do	6767	J. Park.....	Boneless chicken do
do 5...	do	do	6768	J. Cleghorn	Mackerel do contains traces of tin.
do 5...	do	do	6769	R. S. Gallagher	Salmon do do
do 5...	do	do	6770	J. Park.....	Mackerel do do
do 5...	do	do	6771	Mrs. A. Bilton.....	Sardines do contains about ¼ grain of tin to the can.
do 5...	do	do	6772	W. H. Smith.	Salmon, of good quality, contains traces of tin.
Mar. 30...	J. Baker Edwards	Montreal.....	6196	D. Hatton & Co	Mackerel, good quality, well preserved ; no metallic impurity.
do 30...	do	do	6197	do	Salmon, good quality and flavour do
do 30...	do	do	6198	J. Hutchison.	Sardines do do
do 30...	do	do	6199	Mathieu frères	Lobsters, good quality, well preserved do
April 4...	do	do	6200	D. Hatton & Co	Tongue do and flavour do
do 4...	do	do	6801	do	Chicken and tongue, good quality and flavour do
do 4...	do	do	6802	John Hutchison.....	Johnston's fluid beef, excellent quality and free from metallic impurities.
do 4...	do	do	6803	Mathieu frère.....	Boned turkey, fresh and of good quality, no metallic impurity..
June 16...	do	do	6890	do	Boiled beef, of excellent quality and free from metallic impurities
do 16...	do	do	6891	D. Hatton & Co.....	Oysters, of good quality do do
Mar. 21...	M. Fiset	Quebec.....	6355	Dubeau & Prevost	Salmon, pure.
do 21...	do	do	6356	do	Mackerel do
do 28...	do	do	6367	Chouinard et frère	Boiled turkey, good.
do 28...	do	do	6368	do	Boiled chicken do
April 26...	do	do	6391	Arthur Drolet	Salt beef, excellent.
do 26...	do	do	6392	Blumhart & Riverin.....	Boiled beef, good and pure.
do 26...	do	do	6393	do	Salt tongue, good.
May 10...	do	do	7305	Turcotte & Prevost.....	Preserved meat, pure.

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1882.						
Aug.	12...	Maynard Bowman.....	Halifax.....	5350	C. & W. Anderson.....	Roast veal, well put up, but contains iron.
do	12...	do	do	5351	do	Roast beef, in good condition, free from mineral adulteration.
do	12...	do.	do	5352	James Scott & Co.....	Potted game, mouldy and unfit for food.
do	12...	do	do	5353	do	Devilled hams, in good order, free from metallic impurity.
do	12...	do	do	5354	do	Schrimp paste, in excellent order, and free from adulteration.
1883.						
April	14...	do	do	6670	J. D. Leahy & Co.....	Rump steak, in very good condition, free from metallic impurity.
do	14...	do	do	6671	L. H. Gray.....	Lobster, free from metallic impurity ; unadulterated.
do	14...	do	do	6672	N P. Christian.....	Mackerel, well put up, free from metallic impurity.
do	14...	do	do	6673	Philip Hire.....	Potted beef, free from metallic impurity ; unadulterated.
do	14...	do	do	6674	James Scott & Co.....	Potted game do do do
do	14...	do	do	6675	W. J. Hopgood.....	Canned beef, of very good quality, free from metallic impurity.
do	14...	do	do	6676	T. Major	Salmon, of superior quality, free from metallic impurity.
do	14...	do	do	6677	Firmin Gastonguay.....	Oysters ; this can, with the exception of seven small oysters, contained nothing but liquor; adulterated.
Mar.	16...	W. F. Best.....	St. John	6146	G. S. DeForrest.....	Canned lobster, not in good condition, flesh impregnated with materials dissolved from the solder.
do	16...	do	do	6447	Joseph Finley.....	Canned lobster ; traces of metallic impurities, evidently dissolved from the can or solder.
do	16...	do	do	6448	Anthony Cain.....	Canned salmon, not in good condition ; the tin and solder have been acted upon by the contents of the can ; dangerous.
do	16...	do	do	6449	G. S. DeForrest.....	Canned salmon ; contents of the can not in good order ; traces of tin and lead in solution.
do	16...	do	do	6450	Anthony Cain.....	Canned beef, in excellent order, not adulterated.
do	16...	do	do	6451	G. S. DeForrest.....	do perfectly fresh, not adulterated.
April	7...	do	d0	6480	Puddington & Merritt.....	Canned mutton ; traces of lead and tin in solution ; contents of can not fit for food.
do	7...	do	do	6483	W. A. Porter.....	Canned lobster, badly put up, stale and unfit for food ; large amount of loose solder in the can, which had been to some extent acted upon by contents.
do	11...	do	do	6886	Jardine & Co.	Canned sardines, in good condition and fit for food.
May	5...	W. Saunders	London.....	5797	Armour Canning Co.....	Tongue ; contains beef tongue in good condition, fresh and sweet, and free from all metallic or other impurities.
do	5...	do	do	5798	Delhi Canning Co.....	Chicken ; contents in an excellent state of preservation, and free from all metallic or other impurities.
do	5...	do	do	5799	British American Canning Co	Salmon ; contents in an excellent state of preservation, free from all metallic or other impurities.
do	5...	do	do	5800	Island Packing Co	Mackerel ; contents in an excellent state of preservation, free from all metallic or other impurities.

PORK AND SAUSAGES.

1883.						
April	7...	J. Baker Edwards.....	Montreal	6835	N. Ethieu.....	Pork, from neck of hog, examined by microscope, and no sign of trichina.
do	7...	do	do	6836	M. McShane.....	Pork, from neck of hog, examined by microscope ; free from trichina.

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PORK AND SAUSAGE.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis and Remarks by the Analyst.
1882.					
April 7...	J. Baker Edwards.....	Montreal.....	6837	N. Versaille.....	Pork, from neck of hog, examined by microscope; free from trichina.
do 17...	do	do	6848	Richard Ranson.....	American smoked pork, examined by microscope; free from trichina and sound.
do 17...	do	do	6849	Paul Legarde.....	Canadian ham, examined by microscope; no trichina and in sound condition.
do 11...	do	do	9822	A. Cleghorn.....	Bologna sausage, free from trichina and in good condition.
do 11...	do	do	6823	Dufresne & Mongenais.....	Chicken, ham and tongue, free from trichina and in good condition.
do 11...	do	do	6824	J. Hutchison.....	Bologna sausage, free from trichina and in good condition.
do 20...	do	do	6838	Thomas Gauthier.....	Pork sausage do do
do 20...	do	do	6839	George Fisher & Co.....	do do do

POTASHES.

1883.					
May 4...	J. Baker Edwards.....	Montreal	6867	J. A. P.....	Unadulterated and No. 1 quality, carbonate of potash as alkali 76 per cent., chlorides 4·16 per cent.; insoluble silicate and iron, 1·75 per cent.
do 4...	do	do	6868	Dyde & Major.....	Alkali as carbonate potash 81·4, chlorides 4; insoluble chiefly iron 3; No. 1 quality, unadulterated.
do 4...	do	do	6869	do	Imported kanite for agriculture, containing 65 per cent. chlorides potassium, 26 per cent sulphate of potash and magnesium; all soluble salts.

SODA WATER FROM FOUNTAINS.

1883.					
June 30...	W. H. Ellis.....	Toronto.....	7431	W. J. Eccleston.....	Contains about 1½ grain of lead to the gallon.
do 30...	do	do	7432	J. Allen.....	Free from metallic impurities.

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do	30...	do	do	7432	J. Cox & Son	Contains about $\frac{1}{10}$ of a grain of lead in each gallon.
do	30...	do	do	7434	George McConkey	do $\frac{1}{10}$ do do
do	30...	do	do	7435	J. H. Hutty	do $\frac{1}{10}$ do do
do	30...	do	do	7436	C. Sheppard	Contains a trace of lead (·07 grain per gallon.)
do	30...	do	do	7437	H. Webb	Free from metallic impurities.
do	30...	do	do	7438	W. J. Louden	Contains about $\frac{1}{10}$ of a grain of lead in each gallon.
do	30...	do	do	7439	Rice & Davis	do $\frac{1}{10}$ do do
do	30...	do	do	7440	J. Webb	Consists of water impregnated with carbonic acid gas, containing a little sugar and tartaric acid, contains about $\frac{1}{10}$ of a grain of lead in each gallon.
do	30...	do	do	7441	George Robertson	Free from metallic impurities.
do	30...	do	do	7442	George Coleman	Contains about $\frac{1}{2}$ grain of lead in the gallon.
do	27...	J. Baker Edwards	Montreal	6892	J. A. Harte	Contains no soda, aerated water containing traces of lead and iron, no copper.
do	27...	do	do	6893	John Lewis	Contains no soda, but containing heavy traces of lead, no copper
do	27...	do	do	6894	J. Griffin	do do do do and copper.
do	27...	do	do	6895	J. Goulden	do do traces of lead, no copper.
do	27...	do	do	6896	Laviolette & Nelson	do do traces of iron, no lead, no copper.
do	27...	do	do	6897	R. J. Devins	do do traces of lead, no copper.
do	27...	do	do	6898	H. H. Curtis	do largely impregnated with copper, slight traces of lead.
do	27...	do	do	6899	Baillairgé & Co	Contains no soda, but largely impregnated with copper and lead.—N. B.—*A dangerous beverage.*
do	27...	do	do	6900	H. Muth	Contains no soda, but slight traces of lead, no copper.
do	27...	do	do	6901	Kenneth Campbell & Co	do free from metallic impurities.
do	27...	do	do	6902	R. H. Bryson	do largely impregnated with both copper & lead.
do	27...	do	do	6903	Dr. Bourgue & Co	do do do lead and traces of copper.

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APPENDIX C.—INSPECTION OF FOOD AND DRUGS—Tabulated Statement, &c.—*Continued.*

SUGAR.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.				Remarks by the Analyst.
					Cane Sugar.	Glucose.	Moisture.	Ash.	
1883.					p. c	p. c.	p. c.	p. c.	
April 19...	W. H. Ellis.....	Toronto	6748	F. S Roberts.....	95·30	2·85	1·62	2·3	
do 19...	do	do	6749	P. Nisbet.....	93·24	3·96	2·65	·15	
do 19...	do	do	6750	Central Co-operative Co.....	98·71	·89	·33	·07	
do 19...	do	do	6751	F. Somers.....	97·99	1·28	·71	·02	
do 19...	do	do	6752	T. W. Squire.....	99·95	.....	·05	.....	
do 19...	do	do	6753	W. Messer.....	99·95	.....	·05	.....	
1882.								Ash, &c.	
Nov. 20...	J. B. Edwards.....	Montreal	5898	Albert Perry.....	84·	6·	2·9	7·1	Moist, unadulterated; low quality.
do 20...	do	do	5899	Crawford & Gordon....	86·5	7·	3·4	3·1	do do do
do 20...	do	do	5900	John Robertson.	85·5	6·5	3·2	4.8	do do do
do 20...	do	do	6101	E. Elliott.....	98·5	.....	1·1	·4	White crushed, genuine and nearly pure.
1883.									
Jan. 20...	do	do	6175	William Donahoe.	98·5	.....	1·5	.....	White granulated; unadulterated,
do 20...	do	do	6176	do	99·	.....	1·	.....	do but unadulterated and particularly pure.
1882.								Ash.	
Nov. 16...	M. Fiset.....	Quebec.....	6302	N. Dion.....	84·50	10·00	4·90	·60	Partially refined; pure.
do 16...	do	do	6303	J. E. Venner.....	94·06	5·00	·70	·24	Granulated; pure.
do 16...	do	do	6304	do	86·40	9·40	3·20	1·00	Barbadoes; pure.
do 16...	do	do	6305	Arthur Drolet	85·00	9 50	4·60	·90	Redpath's refined; pure.
Aug. 25...	Maynard Bowman....	Halifax.....	6002	Davidson Bros.....	98·60	·45	·75	·20	Granulated; no adulteration.
do 25...	do	do	6003	do	98·80	·90	·20	·10	do do
do 25...	do	do	6004	C. Moran.....	90·26	6·99	2·40	·35	Refined do
do 25...	do	do	6005	do	89·40	6·30	3·75	·55	do do

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do	25...	do	.....	do	.....	6006	W. H. Pallister.....	90·50	5·45	3·55	·50	Brown	do
do	25...	do	.....	do	.....	6007	do	00·75	6·00	3·00	·25	do	do
	1883.												
Jan.	27...	do	.....	do	.....	6087	Thomas Lynch	91·05	5·80	2·65	·50	Yellow C	do
do	27...	do	.....	do	.....	6088	Mrs. Delaney.....	91·55	5·80	2·20	·45	do	do
do	27...	do	.....	do	.....	6089	Davis & Sheenan,.....	90·15	6·60	2·60	·65	do	do
do	27...	do	.....	do	.....	6090	John W. McGuire.....	92·60	4·30	2·55	·55	do	do
do	27...	do	.....	do	.....	6091	John Cronan	94 05	3·50	1·85	·60	Brown	do
do	27...	do	.....	do	.....	6092	Halifax Sugar Refining Co.....	99·30	·70	.....	.....	do	do
	1882.												
Oct.	20...	W. F. Best.....		St. John		5661	Puddington & Merritt.	91·00	5·50	3·00	·50	Light brown sugar; not adulterated.	
do	20...	do	.....	do	.....	5662	W. A. Porter.....	92·50	2·00	4·50	1·00	Refined	do
do	20...	do	.....	do	.....	5700	C. A. Clark.....	98·00	trace	1·25	·75	do	do
do	20...	do	.....	do	.....	6401	W. A. Magee.....	85·50	11·50	2·00	1·00	Yellow refined	do
Nov.	18...	W. Saunders.....		London		5737	William Mills.....	97·50	·72	1·	·78	Granulated; a practically pure sugar.	
do	18...	do	.....	do	.....	5738	Fergason Bros.....	98·41	·65	·70	·24	do a practically pure sugar, said to be from Moncton Refining Co.	
do	18...	do	.....	do	.....	5739	Fitzgerald, Scandrett & Co.....	89·72	5·60	3·70	·98	Raw sugar; unadulterated.	
do	18...	do	.....	do	.....	5740	A. M. Smith.....	91·70	4·10	3·60	·60	Yellow sugar	do
	1883.												
April	6...	do	.....	do	.....	5761	Alex. Wilson	98·89	·35	·74	·02	Refined do an exceptionally pure sugar.	
do	6...	do	.....	do	.....	5762	McBean Bros.....	92·66	4·54	2·54	·26	Raw sugar; unadulterated and of good quality.	
do	6...	do	.....	do	.....	5763	George Rowntree.....	91·14	5·40	3·16	·30	do do	do
do	6...	do	.....	do	.....	5764	H. A. Duggan.....	93·84	2·50	2·70	·96	Yellow sugar; unadulterated and of superior quality.	

SYRUP.

							Cane Sugar	Glucose.	Water		
	1883.										
April	12...	W. H. Ellis.....		Toronto		6754	A. G. Booth.....	30·86	45·21	23·93	.....	Golden syrup.	
do	12...	do	.....	do	.....	6755	Central Co-operative Co.....	42·48	22·03	35·49	.....	Amber do	
do	12...	do	.....	do	.....	6756	T. Miller.....	.....	.....	.....	.....	Maple do	in a state of fermentation.
do	12...	do	.....	do	.....	6757	J. Shields & Co..	42·35	23·96	33·69	.....	Amber do	
do	12...	do	.....	do	.....	6758	J. Burns.....	42·37	22·31	35·32	.....	Golden do	
do	12...	do	.....	do	.....	7497	Mrs. W. Bilton.....	10·1	55·9	34·0	.....	Maple do	

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SYRUP.—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.				Remarks by the Analyst.
					Proof Spirit.	Glucose.	Moisture.	Ash.	
1882.					p. c.	p. c.	p. c.	p. c.	
Dec. 26...	J. B. Edwards.....	Montreal	6161	Albert Perry.....	.....	.....	.....	.....	Raspberry syrup; genuine and of good quality, extractive and sugar, 62·2 per cent.
do 26...	do	do	6162	Hudon, Orsalie & Co...	.....	.....	.....	.....	Pineapple syrup; a fine syrup with flavouring essences, containing 50 per cent. of sugar.
do 26...	do	do	6163	do ...	.....	.....	.....	.....	Lemon syrup; a fair syrup, but flavoured with very inferior essence of lemons, containing 52·3 per cent. of sugar.
do 26...	do	do	6164	do ...	.....	.....	.....	.....	Strawberry syrup; good syrup, but inferior flavouring from essences, and colored with aniline dyes, containing 56·1 per cent. of sugar.
Dec. 27...	do	do	6165	J. Goulden.....	.....	.....	.....	.....	Vanilla; genuine, and of good flavour; sugar 24·8.
do 27...	do	do	6166	do	.....	.....	.....	.....	Ginger, inferior in syrup and flavour; sugar and glucose 30·8.
Nov. 16...	M. Fiset.....	Quebec.....	6306	Arthur Drolet	.....	.....	.....	.....	Strawberry; pure.
Dec. 7...	do	do	6329	Arthur Turcotte.....	.....	.....	.....	.....	Raspberry do
do 14...	do	do	6332	Dubeau & Prevost.....	.....	.....	.....	.....	Pine apple do
do 28...	do	do	6342	Blumhart & Riverin...	.....	.....	.....	.....	Peach do
1883.									
Jan. 9..	Maynard Bowman...	Halifax.....	6603	C. Graham & Co.....	.....	.....	.....	.....	Amber; contains nothing injurious; unadulterated.
do 9...	do ...	do	6604	M. Young	.....	.....	.....	.....	Raspberry do do do
do 9...	do ...	do	6605	Daniel Johnstone.....	.....	.....	.....	.....	Lemon do do do
do 9...	do ...	do	6606	do	.....	.....	.....	.....	Raspberry do do do
do 9...	do ...	do	6607	E. Donahoe	.....	.....	.....	.....	Lime juice; fair quality do
do 9...	do ...	do	6608	do	.....	.....	.....	.....	Peppermint; contains nothing injurious do
May 31...	do ...	do	7005	W. J. Hopgood.....	1·	.....	.....	.....	Lemon, free from foreign acids and metallic impurity; unadulterated.
do 31...	do ...	do	7006	E. Morrison & Co.	2·7	.....	.....	.....	Raspberry vinegar; unadulterated.
do 31...	do ...	do	7008	Brown & Webb.....	·85	.....	.....	.....	do syrup, in excellent condition; unadulterated.
do 31...	do ...	do	7009	do	·60	.....	.....	.....	Lemon do do do

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June	11...	do	...	do	.....	7010	James Knight	·35	.....	.....	.....	Lime juice; free from mineral acid.
do	11...	do	...	do	.....	7013	James Crosskill.....	.....	.....	.....	.....	Pineapple; contains a trace of alcohol, is of good quality; unadulterated.
do	11...	do	...	do	.....	7019	James Knight	13·3	.....	.....	.....	Raspberry; a very pure syrup; unadulterated.
1882.												
Oct.	26...	W. F. Best.....		St. John.....		5680	G. Robertson	.....	.....	.....	.....	Golden syrup; pure and unadulterated; no trace of acid or other foreign substance.
do	26...	do	.....	do	.....	5681	Jardine & Co.....	.....	.....	.....	.....	Golden syrup; pure and unadulterated.
1883.												
Jan.	22...	do	.....	do	.....	6431	F. Rankin.....	.....	.....	.....	.....	Lemon do do
do	22...	do	.....	do	.....	6432	J. S. Turner.....	.....	.....	.....	.....	Raspberry; pure and unadulterated; made from the fruit and well preserved.
April	20...	W. Saunders.		London		5771	Alex. Tytler.....	.....	19·20	31·	·78	Golden syrup; a golden syrup of fair quality from cane sugar, but containing a suspiciously large proportion of glucose.
do	20...	do	.....	do	.....	5772	Geo. Rowntree..	.....	42·	22·	·64	Golden syrup; the remainder consists chiefly of dextrine derived from the glucose syrup, with a small proportion of cane sugar. This syrup is very thick and consists of commercial glucose, with a little cane sugar added to sweeten it.
do	20...	do	.....	do	.....	5773	H. Burton.....	.....	43·	22·	·98	Golden syrup; the remainder consists chiefly of dextrine derived from the glucose syrup with a small proportion of cane sugar. This syrup is thick and consists of commercial glucose with a little cane sugar added to sweeten it.
do	20...	do	.....	do	.....	5774	H. Wilson.....	.....	11·5	37·	4·6	Molasses; the remainder consists of cane sugar. All the glucose in this sample probably exists naturally in the molasses. Molasses from cane sugar unadulterated.
June	7...	do	.....	do	.....	7123	William Sandham.....	.....	56·	43·49	.....	Raspberry vinegar; contains anhydrous acetic acid 0·51, no alcohol, no flavouring but that derived from the fruit, but is coloured with a small quantity of rose aniline.
do	7...	do	.....	do	.....	7124	do	Alcohol. 4·	46·	.....	.....	Lime juice cordial; containing 50 per cent. of lime juice.

SWEETS.

1882.										
Aug.	18...	Maynard Bowman...	Halifax.....	5381	Hessian & Devine.....	.....	.....	.....	.....	Sugar watches; adulterated with starch and gypsum.
do	18...	do ...	do	5382	do	.....	.....	.....	.....	Cream paste; no adulteration beyond a small per centage of starch.
do	18...	do ...	do	5383	do	.....	.....	.....	.....	Everton taffy; no adulteration.
do	18...	do ...	do	5384	do	.....	.....	.....	.....	Chocolate candy; no adulteration; nothing injurious.

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SWEETS—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis. —	—	—	Remarks by the Analyst.
1882.					p. c.	p. c.	p. c.	
Aug. 18...	Maynard Bowman...	Halifax.....	5385	Hessian & Devine	.....	.....	.....	Almond candy; pure sugar and almonds.
do 18...	do ...	do	5386	do	.....	.....	.....	Peanut candy; contains nothing injurious; no adulteration.
Nov. 18...	W. Saunders.....	London.....	5727	H. Fysh.....	.....	.....	.....	Mixed sweets; the different sorts vary in composition; some only contain pure sugar and gum; others, small quantities of starch; no adulteration.
1883.								
Nov. 18...	do ...	do	5728	W. R. Fessenden	.....	....	.....	The different sorts vary in composition; nearly all adulterated with terra alba (sulphate of lime), varying in proportion from 10 to 35 per cent., and are unfit for use.
do 18...	do ...	do	5729	A. Bradford	.....	.....	.....	The different sorts vary in composition, but contain only pure sugar and gum; no adulteration.
do 18...	do ...	do	5730	Ferguson Bros.....	.....	.....	.....	The different sorts vary in composition, some containing only pure sugar and gum, others small quantities of starch; no adulteration.

TEA.

					Extract.	Theine.	Ash.	
1883.								
Jan. 25...	W. H. Ellis.....	Toronto	5985	J. Hall	39·6	2·32	5·88	No foreign leaves; unfaced.
do 25...	do	do	5986	Mrs. Mackelcan	33·8	1·75	5·00	do do
do 25...	do	do	5987	P. Mulqueen	39·54	1·90	6·34	do faced.
do 25...	do	do	5988	Dominion Tea Co.....	38·60	2·60	5·82	do slightly faced.
do 25...	do	do	5989	J. Laut	43·40	1·60	6·28	do faced.
do 25...	do	do	5990	T. Lee	38·80	1·82	6·36	do do

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do	25...	do	do	5891	M. J. Lowe	32·80	1·78	6·42	do	unfaced.
do	25 ..	do	do	5893	J. Ward	31·90	2·04	5·72	do	do

APPENDIX C.—INSPECTION OF FOOD AND DRUGS.—Tabulated Statement, &c.—*Continued.*

TEA.—*Continued.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.			Remarks by the Analyst.
					Extract.	Theine.	Ash.	
					p. c.	p. c.	p. c.	
June 8...	J. Baker Edwards...	Montreal	6884	Camille Lippe.....	28·	.....	6·2	Gunpowder ; rather heavily faced, but not adulterated.
do 8...	do ...	do	6885	do	28·	.....	4·2	Black ; genuine, but poor flavour.
do 8...	do ...	do	6886	Senecal Cadieux.....	30·	.....	6·4	Congou ; good black tea.
do 8...	do ...	do	6887	do	31·	.....	5·6	Gunpowder ; genuine, but slightly faced.
do 8...	do ...	do	6888	Thomas Tiffin & Co.....	28·	.....	5·6	do genuine.
do 8...	do ...	do	6889	do	30·	.....	5·6	Black do
1882.								
Dec. 26...	M. Fiset.....	Quebec.....	6337	P. Crepeault.....	36·	·90	7·2	do weak, adulterated with foreign leaves and colored with Prussian blue.
do 26...	do	do	6338	J. B. Rousseau.....	36·40	traces	6·20	Exhausted tea, adulterated with foreign leaves and colored with Prussian blue.
do 26...	do	do	6339	do	34·40	1·20	7·90	Adulterated with a few foreign leaves and colored with Prussian blue.
de 26...	do	do	6340	do	36·90	traces	17·20	Powdered tea, adulterated with foreign leaves, sand, &c., and colored with Prussian blue—unfit for consumption.
do 9...	Maynard Bowman....	Halifax.....	6045	C. & W. Anderson.....	25·54	1·25	5·50	Inferior quality, leaves much broken, unadulterated.
do 9...	do	do	6046	A. & W. Smith.....	25·	1·	5·65	do do do
do 9...	do	do	6047	Edward Donahoe...	23·50	.....	10·35	Adulterated with exhausted leaves, stalks, and from 2 to 3 per cent. of sand.
do 9...	do	do	6048	H. Jackson.....	27·	·75	5·65	Genuine, but of low quality, leaves much broken.
do 9..	do	do	6049	D. M. Story.....	28·	·50	6.	do inferior quality.
do 9...	do	do	6050	William Quinn.....	27·50	1·50	6·15	do do
do 9...	do	do	6051	John M. Inglis.....	26·70	1·75	6·00	do do
do 9...	do	do	6052	W. H. Pallister.....	25·00	.....	10·55	Adulterated with exhausted leaves, stalks, and from 2 to 3 per cent. of sand.

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Oct.	20...	W. F. Best.....	St. John.....	5659	Puddington & Merritt.....	26·50	1·75	7·56	Tea of good quality.
do	20...	do	do	5660	W. A. Porter.....	21·25	1·25	2·50	do do
Nov.	10...	do	do	5694	O. A. Clark.....	14·50	·50	6·75	Adulterated with 40 to 50 p. c. of foreign leaves.
do	10...	do	do	5695	W. A. Magee.....	26·	1·	4·50	Genuine tea of inferior strength and quality.
		1883.							
May	23...	do	do	7202	Hall & Fairweather.....	27·25	1·50	5·40	A considerable quantity of stalks and tea dust, also a few sloe leaves.
do	23...	do	do	7203	do	29·00	2·85	6·50	Contains no foreign leaves, 30 p. c. of tea dust and stalks.
do	23...	do	do	7204	Jardine & Co.....	25·00	2·10	6·20	Genuine tea, but the leaves are very large and many of them decayed, much tea dust and stalks.
do	23...	do	do	7205	do	32·20	2·60	6·50	Genuine tea, but mixed with 30 p. c. of stalks.
do	23...	do	do	7206	Harding & Hatheway.....	31·00	1·10	10·30	do do stalks to the amount of 40 per cent.
do	23...	do	do	7207	do	31·80	1·20	5·00	Contains a few foreign leaves.
do	23...	do	do	7208	Turnbull & Co.....	26·50	1·00	9·00	Genuine tea, leaves mostly large and broken.
do	23...	do	do	7209	do	22·40	1·50	10·50	Contains a large quantity of large stalks and tea dust.
do	23...	do	do	7210	George S. DeForest.....	20·00	2·50	8·25	A large number of the leaves are without the serrated edge, which characterizes tea leaves.
do	23...	do	do	7211	do	22·50	1·75	8·40	With the genuine tea leaves are mixed leaves of the chloranthus inconspicuus.
do	23...	do	do	7212	George Robertson.....	29·00	2·10	6·60	Genuine tea, with a few sloe leaves—perhaps 10 per cent.
do	23...	do	do	7213	do	32·50	1·50	9·00	Genuine tea, no foreign leaves.
		1882.							
Nov.	6...	William Saunders...	London.....	5721	Ferguson Bros.	34·	1·93	6·24	Japan tea of good quality.
do	6...	do ...	do	5722	Toronto Tea Co.....	28·	1·82	6·48	do fair do
do	6...	do ...	do	5723	A. M. Smith.....	33·	1·97	5·22	do good do
do	6...	do ...	do	5724	Toronto Tea Co.....	27·	2·24	5·24	Black tea of excellent quality.
do	6...	do ...	do	5725	do	32·5	2·02	5·74	Green tea of good quality.
do	6...	do ...	do	5726	Fitzgerald, Scandrett & Co	29·	1·30	5·28	do genuine, but of inferior quality.
		1883.							
Mar.	31...	do ...	do	5757	McBean Bros.....	34·9	2·52	6·00	do pure and of good quality.
do	31...	do ...	do	5758	George Rowntree..	28·8	1·70	11·58	Tea dust. This consists of tea leaves in fragments with a large amount of stem, adulterated with a considerable proportion of leaves of some other plant, which, owing to their fragmentary condition, I have been unable to identify.
do	31...	do ...	do	5759	Alexander Wilson.....	31 30	3·36	6·30	Black tea of excellent quality.
do	31...	do ...	do	5760	H. A. Duggan.....	32·20	5·65	2·56	do good do

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VINEGAR.

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.			Remarks by the Analyst.
					Acetic Acid.	Sulphuric Acid.	Extractive	
1883.					p. c.	p. c.	p. c.	
Mar. 16...	W. H. Ellis.....	Toronto	6000	J Lytle.....	3·4	.....	.....	Contains no mineral acids or other adulteration.
do 16...	do	do	6701	W. Wilson.....	4·	.....	.....	do do
do 16...	do	do	6702	Swan Bros	5·3	.....	.....	do do
do 16...	do	do	6703	R Nurse.....	5·9	.....	.....	do do
do 16 .	do	do	6704	J. W. Greenshields	5·8	.....	.....	do do
do 16...	do	do	6705	J. Lumbers.....	6·1	.....	.....	do do
1882.								
Dec. 23...	J. Baker Edwards...	Montreal.....	6155	Albert Perry.....	4·2	·24	·5	Slightly fortified with sulphuric acid, one fourth less than is permitted in the British Act; no metallic impurity; not adulterated.
do 23...	do	do	6156	Crawford & Gordon.	4·8	·04	·5	Fortified with sulphuric acid, nearly one-half the proportion allowed in the British Act; no metallic impurity; not adulterated.
do 23...	do	do	6157	T. Robitaille & Co.....	4·8	·09	1·	Fortified with sulphuric acid to the extent allowed in the British Act; no metallic impurity; not adulterated
do 23...	do	do	6158	John Robertson.....	5·2	·04	1·3	Fortified with sulphuric acid to one-half the extent permitted in British Act; no metallic impurity; not adulterated.
do 23...	do	do	6159	Dufresne & Mongenais	3·6	·074	2·	Fortified with sulphuric acid to the extent of three-fourths of British allowance; a weak vinegar; no metallic impurity; not adulterated.
do 23...	do	do	6160	Gravel Frères.....	7·2	·066	5·	Fortified with sulphuric acid equal to half the extent allowed by British Act; a good strong vinegar; no metallic impregnations; not adulterated.
Nov. 2...	M Fiset	Quebec.....	5587	Arthur Drolet	4·25	.....	.....	Pure, without foreign substances.
do 2...	do	do	5588	do	7·25	.....	.....	Pure and very strong.
do 16...	do	do	6207	E. & A. Robitaille.	8·28	.....	.....	do

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do	16...	do	do	6308	L. Crepeau	3·51	3·31	.....	Unfit for consumption.
do	16...	do	do	6309	J. E. Venner	6·60	.....	.....	Pure.
Dec.	14...	do	do	6333	F. Parent	{ 7·20 }		.....	Adulterated with sulphuric acid.
1883.									
Jan.	29...	Maynard Bowman	Halifax	6097	M. Younge	3·	.....	.....	Free from mineral and metallic impurities; unadulterated.
do	29...	do	do	6098	Edward Donahoe	3·5	.....	.....	do do
do	29...	do	do	6099	C. Graham & Co	2·	.....	.....	do do
do	29...	do	do	6100	Daniel Johnston	2·	.....	.....	Free from mineral and metallic impurities; adulterated with water.
do	29...	do	do	6601	D. J. Leahy & Co	2·50	.....	.....	do do
do	29...	do	do	6602	W. D. Pearman	5·	.....	.....	do do
1882.									
Nov.	10...	W. F. Best	St. John	5682	John Foster	5·75	none.	.....	Pure and unadulterated.
do	10...	do	do	5683	King Bros	5·00	.....	.....	do
1883.									
Jan.	22...	do	do	6423	P. Chisholm	3·24	.....	.....	Traces of sulphuric acid.
do	22...	do	do	6424	Jardine & Co	3·80	.....	.....	No trace of sulphuric acid.
do	22...	do	do	6425	Taylor & Doskrill	4·20	.....	.....	do
do	22...	do	do	6426	George Robertson	3·65	.....	.....	do
April	20...	W. Saunders	London	5765	A. Wilson	4·98	.....	.....	Containing decided traces of iron (no other metals present); no mineral acids or other adulterations; a vinegar of medium strength of a dark brown straw color, with a slight sediment.
do	20...	do	do	5766	William Moore	5·68	.....	.....	Containing slight traces of iron (no other metallic impurities); a trace of sulphate; no mineral acids or other adulterations; a vinegar above medium strength, of a pale straw color, clear and bright.
do	20...	do	do	5767	A. Tytler	5·04	.....	.....	Slight traces of iron (no other metallic impurities); no mineral acids or other adulterations; a vinegar of medium strength of a very pale straw color with a slight sediment.
do	20...	do	do	5768	J. Moule	4·74	.....	.....	Slight traces of iron (no other metallic impurities); no mineral acids or other adulterations; a vinegar of medium strength of a pale straw color, clear and bright, with a faint tarry odor, owing to the acetic acid from which it has been made, not having been properly purified.
do	20...	do	do	5769	Geo. Rowntree	5·04	.....	.....	Slight traces of iron (no other metallic impurities) no mineral acids or other adulterations, a vinegar of medium strength, of a pale straw color, clear and bright.

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VINEGAR—*Concluded.*

Date.	Name of Analyst.	Division.	No. of Analyst's Report.	Vendor.	Results of Analysis.			Remarks.
					Acetic Acid.	Sulphuric Acid.	Extractive	
					p. c.	p. c.	p. c.	
April 20...	W. Saunders.....	London	5770	Wm. McDonough.....	4·62	.....	.....	Decided traces of iron, (no other metallic impurities) no mineral acids or other adulteration, a trace of sulphates, a vinegar below medium strength, of a straw color, clear and bright.

WHISKEY.

					Proof Spirit.	Alcohol.	Under Proof.	
1883.								
April 12...	W. H. Ellis.....	Toronto	6732	Fitch & Davidson.....	81·	.....	.....	Unadulterated.
do 12...	do	do	6733	Humphrey & Jackson...	83·	.....	.....	do
do 12...	do	do	6734	W. G. Gooderham.....	80·3	.....	.....	do
do 12...	do	do	6735	R. Dunbar	79·	.....	.....	do
1882.								
Dec. 29...	J. B. Edwards.....	Montreal	6167	Thomas Lellan	.....	43·	12	Composed of diluted highwines, flavored, but unadulterated.
do 29...	do	do	6168	J. O'Shaunessy.....	.....	35·	17·5	do do
do 29...	do	do	6169	Mathew Rappel.....	.....	44·	8	Unadulterated.
do 29...	do	do	6170	J. O'Louglin	.....	47·5	3	do
do 15...	M. Fiset.....	Quebec.....	6336	F. Parent	.....	47·	.....	do
do 26...	do	do	6341	Will Paquet.....	.....	40·	.....	Rye whiskey, colored with (caramel) burnt sugar; adulterated.
1883.								
Mar. 16...	do	do	6353	F. Parent	.....	18·	.....	Rye whiskey; falsified and diluted with water.

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do	16...	do	do	6354	L. E. Blais			29°		do	inferior whiskey, colored with caramel; adulterated.
April	30...	do	do	6396	A. Drolet					Brandy; pure.	
do	30...	do	do	6397	J. A. Morisette					Rye; alcohol mixed with methylated spirits; bad.	
Jan.	29...	Maynard Bowman	Halifax	6093	Daniel Johnstone			43·13		do	fair quality; unadulterated.
do	29...	do	do	6094	C. F. Vose			42·64		do	do
do	29...	do	do	6095	Edward Donahoe			43·13		do	do
						Alcohol.	Extract.	Ash.			
do	29...	do	do	6096	J. D. Leahy & Co.	40·94				do	do
May	31...	do	do	6700	S. Mitchell	28·		·30	·005	do	very much diluted; adulterated.
do	31..	do	do	7001	W. C. Crockett	40·		·05	·005	Scotch; diluted with water; adulterated.	
June	11...	do	do	7015	J. D. Leahy & Co.	29·30		·26	·01	Rye; largely diluted with water; adulterated.	
do	11...	do	do	7016	A. J. Manly	36·45		·30	·05	Scotch; diluted; adulterated.	
1882.											
Oct.	10...	W. F. Best	St. John	5684	John Horn					Canadian Rye; not adulterated; no trace of fusel oil.	
do	10...	do	do	5685	Thomas Furlong					do	do
1883.											
							water.				
June	7...	W. Saunders	London	7127	J. B. Smith	43·4	56·6			Rye; solids a mere trace, ·017 contains no fusel oil, no metallic or other impurities, a pure whiskey.	
do	7...	do	do	7128	Wilson & Munroe	45·4	54·6	sugar.		do	do
do	7...	do	do	7121	Elliot Bros.	40·35	52·68	7·		Old Tom Gin, flavored with juniper, contains no metallic or other impurities.	

WINE.

						Alcohol.	Acetic Acid.	Tartaric.	Ash.	Total Free Acid as Tartaric.	
1883.											
May	31...	Maynard Bowman	Halifax	7002	H. N. Brennan	20·	·14	·30	·21	·41	Port wine; free from foreign coloring matter, or anything injurious.
do	31...	do	do	7003	O. Dunne	15·	·12	·34	·27	·49	do no
do	31...	do	do	7007	O. Dompiere	13·60	·08	·14	·17	·24	Sherry wine; probably a manipulated wine; adulteration doubtful.

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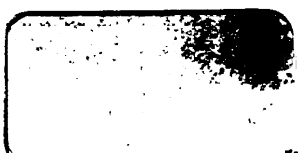

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